

8/25/2011



C

C PROGRAMMING QUESTIONS AND ANSWER

Total marks : **60**
For each correct answer : **+3**
For each incorrect answer: **-1**
Total time: **60 minutes**

1.

What will be output if you will execute following c code?

```
#include<stdio.h>
int main(){
    int a=0;
    #if (a==0)
        printf("Equal");
    #else if
        printf("Not equal");
    #endif
    return 0;
}
```

- (A) Equal
- (B) Not equal
- (C) null
- (D) Garbage
- (E) Compilation error

2.

What will be output if you will execute following c code?

```
#include<stdio.h>
int main(){
    for (;NULL;)
```

```
        printf("cquestionbank");
    return 0;
}
```

- (A) c
- (B) bank
- (C) cquestionbank
- (D) Infinite loop
- (E) Compilation error

3.

What will be output if you will execute following c code?

```
#include<stdio.h>
auto int a=5;
int main() {
    int x;
    x=~a+a&a+a<<a;
    printf("%d",x);
    return 0;
}
```

- (A) 0
- (B) 1
- (C) 154
- (D) 155
- (E) Compilation error

4.

What will be output if you will execute following c code?

```
#include<stdio.h>
int main() {
    int a=5;
    {
        int b=10;
        ++b;
        ++a;
        {
            int a=20;
            ++a;
            a=++b;
        }
        ++a;
        ++b;
        printf("%d %d", a,b);
    }
    printf(" %d", a);
    return 0;
}
```

- (A) 7 13 7
- (B) 13 13 13
- (C) 13 13 5
- (D) 6 13 5
- (E) Compilation error

5.

What will be output if you will execute following c code?

```
#include<stdio.h>
int main() {
```

```

    int a[]={0,1,2,3,4,5,6,7,8,9,10};
    int i=0,num;
    num=a[++i+a[++i]]+a[++i];
    printf("%d",num);
    return 0;
}

```

- (A) 6
- (B) 7
- (C) 8
- (D) 9
- (E) Compilation error

6.

What will be output if you will execute following c code?

```

#include<stdio.h>
int main() {
    int i=3,val;
    val=sizeof f(i)+ +f(i=1)+ +f(i-1);
    printf("%d %d",val,i);
    return 0;
}
int f(int num) {
    return num*5;
}

```

- (A) 2 0
- (B) 7 1
- (C) 17 0
- (D) 2 1

(E) Compilation error

7.

What will be output if you will execute following c code?

```
#include<stdio.h>
int main() {
    int i;
    (i=8)+=1;
    printf("%d",i);
    return 0;
}
```

- (A) 9
- (B) 10
- (C) 32
- (D) 34
- (E) Compilation error

8.

What will be output if you will execute following c code?

```
#include<stdio.h>
int main() {
    char c='- 'a';
    printf("%d",c);
    return 0;
}
```

- (A) 65
- (B) -65
- (C) -a
- (D) -97
- (E) Compilation error

9.

What will be output if you will execute following c code?

```
#include<stdio.h>
int main() {
    int num, a=5;
    num=-a--;
    printf("%d %d", num, a);
    return 0;
}
```

- (A) 5 4
- (B) -4 4
- (C) -5 4
- (D) -4 5
- (E) Compilation error

10.

What will be output if you will execute following c code?

```
#include<stdio.h>
int main() {
    int num, a=10;
```

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```
    num=a&&0+ +-1&&a;
    printf("%d %d", num, a);
    return 0;
}
```

- (A) 1 1
- (B) 0 0
- (C) 1 10
- (D) 0 10
- (E) Compilation error

11.

What will be output if you will execute following c code?

```
#include<stdio.h>
int main() {
    int x,y,z;
    y=(x=1,y=2,z=3);
    printf("%d %d %d",x,y,z);
    return 0;
}
```

- (A) 1 2 3
- (B) 1 1 3
- (C) 1 3 3
- (D) 1 0 3
- (E) Compilation error

12.

What will be output if you will execute following c code?

```
#include<stdio.h>
#include<conio.h>
int main() {
    int t,a=5,b=10,c=15;
    t=(++a&&++b,++a),++a||++c;
    printf("%d %d %d %d",t,a,b,c);
    return 0;
}
```

- (A) 7 8 11 15
- (B) 6 7 10 14
- (C) 1 8 10 15
- (D) 6 18 11 15
- (E) Compilation error

13.

What will be output if you will execute following c code?

```
#include<stdio.h>
int a=5;
int main() {
    int x;
    x=!a+change();
    printf("%d",x);
    return 0;
}
int change() {
    a=0;
    return 0;
}
```

- (A) 0
- (B) 5.000000
- (C) 0.000000
- (D) 1.000000
- (E) Compilation error

14.

What will be output if you will execute following c code?

```
#include<stdio.h>
typedef struct cquestionbank{
    int num;
    struct cquestionbank **p;
    struct cquestionbank ***q;
}cqb;
int main () {
    static cqb *var1,**var2;
    cqb temp={5,&var1,&var2};
    var2=&var1;
    var1->num=25;
    printf("%d %d ",**(temp.q),*** (temp.q));
    return 0;
}
```

- (A) 0 5
- (B) 0 25
- (C) 5 25
- (D) 25 5
- (E) Compilation error

15.

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What will be output if you will execute following c code?

```
#include<stdio.h>
union cqbu{
    int a;
    char b;
};
struct cqbs{
    int a;
    char b;
};
int main(){
    union cqbu u={25};
    struct cqbs *ps=(struct cqbs *)&u;
    union cqbu *pu=(union cqbu *)&u;
    printf("%d %d\n",ps->a,ps->b);
    printf("%d %d\n",pu->a,pu->b);
    return 0;
}
```

- (A) 25 0
25 25
- (B) 25 25
25 0
- (C) 0 0
25 25
- (D) 25 25
25 25
- (E) Compilation error

16.

What will be output if you will execute following c code?

```
#include<stdio.h>
int main() {
    float x;
    x=(float)3.5==3.5;
    printf("%f",x);
    return 0;
}
```

- (A) 0
- (B) 0.000000
- (C) 1.000000
- (D) 3.000000
- (E) Compilation error

17.

What will be output if you will execute following c code?

```
#include<stdio.h>
int main() {
    float x;
    x=(int)(int)2.5+5.8f;
    printf("%f",x);
    return 0;
}
```

- (A) 7.000000
- (B) 7.800000
- (C) 8.000000
- (D) 8.100000
- (E) Compilation error

18.

What will be output if you will execute following c code?

```
#include<stdio.h>
int main() {
    float x;
    x=(float)3.3==3.3;
    printf("%f",x);
    return 0;
}
```

- (A) 0.000000
- (B) 1.000000
- (C) 3.000000
- (D) 3.300000
- (E) Compilation error

19.

What will be output if you will execute following c code?

```
#include<stdio.h>
#include <string.h>
typedef struct stu1{
    int roll;
    char *name;
    double marks;
}STU1;
typedef struct stu2{
    int roll;
    char *name;
    double marks;
```

```

}STU2;
int main () {
    STU1 s1={25, "Rohit", 87.43}, *p1;
    static STU2 *p2;
    p1=&s1;
    memcpy(p2,p1, '\0', sizeof(STU1));
    printf("Roll   : %d\n",p2->roll);
    printf("Name   : %s\n",p2->name);
    printf("Marks  : %lf",p2->marks);
    return 0;
}

```

- (A) Roll : 25
Name : (null)
Marks : 0.000000
- (B) Roll : 25
Name : rohit
Marks : 0.000000
- (C) Roll : 25
Name : rohit
Marks : 87.430000
- (D) Roll : 0
Name : (null)
Marks : 0.000000
- (E) Compilation error

20.

What will be output if you will execute following c code?

```

#include<stdio.h>
#define value 30

```

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```
int main() {
    #if max
        printf("Defined");
    #else
        printf("Not defined");
    #endif
    return 0;
}
```

- (A) Defined
- (B) Not defined
- (C) null
- (D) Run time error
- (E) Compilation error

1. (E)
2. (C)
3. (E)
4. (A)
5. (D)
6. (B)
7. (D)
8. (D)
9. (C)
10. (C)
11. (C)
12. (A)
13. (D)
14. (B)
15. (A)
16. (C)
17. (B)
18. (A)
19. (A)
20. (B)