

Question 1

```
extern int s;
int t;
static int u;
main()
{
```

Assume that above program compiles and run successfully. Which of s, t and u are available to a function present in another file?

```
a) Only sb) Only tc) s and td) s, t and u
```

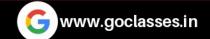




Question 2

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

- A. Linker error
- B. Compile error
- C. Run time error
- D. No error



Question 3

```
#include<stdio.h>
int main()
{
extern int i;
printf("%d", i);
return 0;
}
int i=100;
```

- a) garbage
- b) 0
- c) 100
- d) Compilation error





Question 4

What will be output of the program on execution? (If error then specify type of error)

```
#include<stdio.h>
extern int i;
int i = 10;
int main() {
    printf("%d", i);
    return 0;
}
```

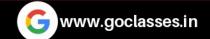




Question 5

What will be output of the program on execution? (If error then specify type of error)

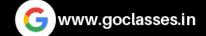
```
#include<stdio.h>
extern int i;
extern int i;
int i = 10;
i=5;
int main() {
    printf("%d", i);
    return 0;
}
```





```
#include <stdio.h>
int i;
int main()
    extern int i;
    printf("%d ", i);
        int i = 10;
        printf("%d ", i);
(a)
    0 10
   Compiler Error
(c)
   10 10
```

```
Question 6
```



Question 7

```
#include<stdio.h>
extern int i;
int main()
{
    printf("%d",i);
    int i=10;
}
```

What will be output of the program on execution? (If error then specify type of error)

+ +

C Programming

Question 8

```
#include<stdio.h>
void fun(){
    extern int i;
    i++;
int main()
    fun();
    extern int i;
    i++;
    printf("%d",i);
int i;
```

Options:

A. 1

B. 0

C. 2

D. Compiler error

E. Linker Error

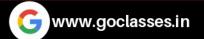


Question 9

```
#include<stdio.h>
int f(int i)
    static int X = 0;
    X = X + i;
    X = g(X);
    return X;
int g(int i)
    static int Y = 0;
    Y = Y + i;
    return Y;
```

```
int main(){
   int i, j;
   for (i = 0; i <= 6; i++)
        j = f(i);
        printf("%d\n", j);
        return 0;
}</pre>
```

The value printed by the above program is ?



Question 10

Given these three files, if we compile and link them, what will be the resulting output when we run the program?

```
A. 0
```

B. 1

C. 2

D. A linking error will occur.

filea.c

```
extern int i;
void f(void) {
    i++;
}
```

fileb.c

```
int i = 0;
void f(void);
void g(void) {
    f();
}
```

main.c

```
#include <stdio.h>
extern int i;
void f(void);
void g(void);

int main()
{
   f();
   g();
   printf("%d", i);
}
```

