



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 s
- b) Only t
- c) s and t
- d) 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;
}
```





Question 6

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

    {
        int i = 10;
        printf("%d ", i);
    }
}
```

- (a) 0 10
- (b) Compiler Error
- (c) 0 0
- (d) 10 10





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)



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;
}
```

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++;  
}
```

main.c

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

fileb.c

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

