

# Boot-Camp Test-04

Consider Turbo C/C++ 3.0 compilers on 32bit operating System and assumed that

- ☐ Programs run under DOS environment,
- ☐ The underlying machine is an x86 system.
- ☐ Program is compiled using Turbo C/C++ compiler.
- ☐ The program output may depend on the information based on these assumptions.  
(for example `sizeof(int) == 2` may be assumed).

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Question - 01 \*

```
#include <stdio.h>
int fun();
int main()
{
    for (fun(); fun(); fun())
    {
        printf("%d ", fun());
    }
    return 0;
}
int fun()
{
    int static num = 10;
    return num--;
}
```

- ☐ Compilation error
- ☐ Can't be predicted
- ☒ 8 5 2
- ☐ None of the above



Question - 2 \*

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

- ☐ compilation error
- ☐ run time error
- ☐ 10
- ☒ Infinite loop

Question - 3 \*

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

- ☐ 0
- ☐ 1
- ☒ Infinite loop
- ☐ Compilation error



Question - 4 \*

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

- ☐ error
- ☐ 1,3
- ☒ program never ends
- ☐ none of these

Question - 5 \*

```
#include <stdio.h>
int main(void)
{
    int y, z;
    int x = scanf("%d %d", &y, &z);
    printf("%d", x);
    return 0;
}
Input: 12 10
```

- ☐ 12
- ☒ 2
- ☐ Syntax Error
- ☐ 10



Question - 6 \*

```
#include <stdio.h>
int main(void)
{
    printf("%d", printf("GURUKUL"));
    return 0;
}
```

- ☐ Syntax Error
- ☐ GURUKUL
- ☒ GURUKUL7
- ☐ 7

Question - 7 \*

```
#include <stdio.h>
int main(void)
{
    int a = 9;
    float x;
    x = a / 2;
    printf("%f", x);
    return 0;
}
```

- ☒ 4.000000
- ☐ 0
- ☐ 4
- ☐ No output



8 \*

```
#include <stdio.h>
int main()
{
    printf("%m");
    return 0;
}
```

- ☒ m or Success
- ☐ Compilation Error
- ☐ %m
- ☐ None of the above

Question - 9 \*

```
#include <stdio.h>
void main()
{
    printf("%d"+1, 123);
}
```

- ☐ d
- ☒ Compile-Time Error
- ☐ 123
- ☐ No Output



Question - 10 \*

```
#include <stdio.h>
int main()
{
    printf("GURUKUL");
    system(brk(0));
}
```

- ☒ GURUKUL
- ☐ Compilation Error
- ☐ program will not terminate
- ☐ None of the above

Consider the following series: 0,0,2,1,4,2,6,3,8,4,10,5,12,6,14,7,16,8Write a program to find the nth term in this series.The value n is a positive integer that should be read from STDIN the nth term that is calculated by the program should be written to STDOUT. Other than the value of the nth term no other characters /strings or message should be written to STDOUT.For example, if n=10, the 10 th term in the series is 4. Only the value 4 should be printed to STDOUT.

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