

PG-DESD - C Programming Twisters Activity

1. What will be output on 32-bit compiler?

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

- A. 13 14
- B. 10 14
- C. 13 17
- D. None of these

2. If input user inputs 10 & 100, then what will be output?

```
#include <stdio.h>
int main()
{
    int a, b;
    printf("%d %d\n", printf("%d %d ", a, b), scanf("%d%d", &a, &b));
    return 0;
}
```

- A. 10 100 7 2
- B. Garbage Garbage Garbage 2
- C. 10 100 2 2
- D. None of these

3. What will be the output of following program?

```
#include <stdio.h>
int main()
{
    int a = 0, b = 3, c = 6, d;
    d = a++ && ++b || c++;
    printf("%d %d %d %d\n", a, b, c, d);
    return 0;
}
```

- A. 1 4 7 1
- B. 1 4 7 0
- C. 1 3 7 1
- D. None of these

PG-DESD - C Programming Twisters Activity

4. What is the value printed by the following C program?

```
int main()
{
    int a=3,b=4,c;
    c=a+b/a*a*a;
    printf("%d\n",c);
    return 0;
}
```

- A. 3
- B. 12
- C. 11
- D. 8

5. What will be the output of following program?

```
#include<stdio.h>
int main(void)
{
    int x = 10;
    (x < 0) ? int x = 100 : {int x = 1000};
    printf("%d", x);
    return 0;
}
```

- A. 1000
- B. 100
- C. 10
- D. Compile time error

6. What will be the output of following program?

```
#include<stdio.h>
int main(void)
{
    int a=3, b=5, c=50;
    a=b==c;
    printf("%d",a);
}
```

- A. 3
- B. 5
- C. 50
- D. 0

PG-DESD - C Programming Twisters Activity

7. What will be the output of following program?

```
#include<stdio.h>
int main(void)
{
    int a=14;
    a += 7;
    a -= 5;
    a *= 7;
    a ^= a;
    printf("%d", a);
    return 0;
}
```

- A. 112
- B. 98
- C. 89
- D. None of these