

PG-DESD - C Programming Twisters Activity

1. What will be the output of following program?

```
#include <stdio.h>
int main(void)
{
    char ch = 65;
    int x = 9;
    printf("%d, %d,", sizeof(ch), sizeof('A'));
    printf("%d, %d, ", sizeof(65), sizeof(++x));
    printf("%d", x);
    return 0;
}
```

2. What will be the output of following program?

```
#include <stdio.h>
int main(void)
{
    int a = 3, b = 6;
    printf("%d, ", a = b);
    printf("%d, ", a == b);
    printf("%d, ", a != b);
    printf("%d, ", a=!b);
    return 0;
}
```

3. What will be the output of following program?

```
#include <stdio.h>
int main(void)
{
    int a = -10, b = 3, c = 0, d;
    d = a++ || ++b && c++;
    printf("%d, %d, %d, %d, ", a, b, c, d);
    a = -10, b = 3, c = 0;
    d = c++ && ++b || a++;
    printf("%d, %d, %d, %d", a, b, c, d);
    return 0;
}
```

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4. What will be the output of following program?

```
#include <stdio.h>
int main(void)
{
    int a = (1, 2, 3);
    int b = (++a, ++a, ++a);
    int c = (b++, b++, b++);
    printf("\n%d, %d, %d", a, b, c);
    return 0;
}
```

5. What will be the output of following program?

```
#include <stdio.h>
int main()
{
    printf("%d", ++4);
    return 0;
}
```

6. What will be the output of following program?

```
#include <stdio.h>
int main(void)
{
    int a = 3, b = 6;
    if(a = b)
        printf("%d, %d", a, b);
    else
        printf("%d != %d", a, b);
    return 0;
}
```

7. What will be the output of following program?

```
#include <stdio.h>
int main(void)
{
    int a = 3, b = 6;
    printf("%d ", a != b ? 0 : b : a : b);
    return 0;
}
```