

C Quiz 1 Questions with Answers (31-10-2023)

1. Which are the following statements will result in error.

```
int main()
{
    short char c1;           // I.
    long char c2;           // II.
    short int num1;         // III.
    long int num2;          // IV.
    short float f1;         // V
    long float f2;          // VI
    short double d1;        // VII
    long double d2;         // VIII
}
```

Answers

1. All of the these
 2. III, IV, V, VI, VII
 3. I, II, V, VI, VII
 4. None of these
-

2. int main()

```
{
    int a = 1, b=1,c=1,d;
    d = b++ && ++a == --c ;
    printf("d = %d",d);
}
```

Answers

1. d = 0
 2. d = 1
 3. d = 2
 4. None of these
-

3. What is the output of following program?

```
#include<stdio.h>
int main()
{
    int a=10,i = 20;
    char b;
    printf("%d\n",(sizeof(i-a)+sizeof(b)));
    return 0;
}
```

Answers

1. 11
2. 10
3. 5
4. 0

4. What will the output of the following:

```
int main()
{
    signed char ch1 = 127;
    unsigned char ch2 = 126;
    unsigned char ch3 = ~(++ch1 > ++ch2) >> 1 ;
    printf("ch3 = %u\n",ch3);
}
```

Answers

1. 0
 2. 256
 3. 255
 4. 1
-

5. Predict the Output?

```
#include<stdio.h>
int main()
{
    int num1=-2;
    unsigned int num2=10;
    int ans= ~(num1<num2);
    printf("\n ans=%d", ans);
    return 0;
}
```

Answers

1. Compile Time error
 2. ans=-2
 3. ans=-1
 4. ans=0
-

6. What is the output of this program?

```
#include <stdio.h>
int main()
{
    int m = 3;
    printf("%d", !(m<<1,m>>1));
    return 0;
}
```

Answers

1. 0
2. Compile time error
3. Run time error
4. give garbage value

7. What will the output of the line number 6 from following snippet:

```
1. int main()
2. {
3.     int a,b,c,d,e;
4.     d = (a=printf("Tom"),b=printf("Jerry"),c=printf("Doremon"));
5.     e = ++d, a=7,b==5,a++,c++;
6.     printf("a=%d b=%d c=%d d=%d e=%d\n",a,b,c,d,e);
7. }
```

Answers

1. a=5 b=6 c=8 d=8 e=8
 2. a=8 b=5 c=8 d=8 e=8
 3. a=3 b=5 c=8 d=8 e=8
 4. a=5 b=5 c=8 d=8 e=8
-

8. Which of the following statement is correct about the code snippet given below?

```
num = 5;
printf( "%d", ++num++ );
```

Answers

1. The code will print 5
 2. The code will print 6
 3. The code will result in L - value required
 4. The code will result in R - value required
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9. What is the output of this program if program runs on terminal?

i,e. If you run the executable of following code on terminal like `> ./a.out`

```
int main()
{
    int i = 10;
    i= printf("\n1020\r%d",printf ("Sunbeam Hinjawadi"));
    printf("%d",~i);
}
```

Answers

1. Syntax Error
 2. SunbeamHinjawadi 17-9
 3. SunbeamHinjawadi 10-9
 4. SunbeamHinjawadi 1020 1710
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10. Which of the following can be considered as a derived data type ?

Answers

1. array
2. short int
3. enum
4. signed int