C Quiz 2 Questions & Answers (04-11-2023)

1. What will be the output of following program ?

```
#include <stdio.h>
void main()
{
    !printf("") ? printf(“Sunbeam”) :  printf(“Karad”);
   }
```

Answers

1. Sunbeam
2. karad
3. 1
4. 0

2. What will be the output of following program ?

```
#include<stdio.h>
enum menu
{ a=2,b,c,d=-1,e};
enum menu m;
int main()
{
    printf(“%d  %d”,b+a,e+d);
}
```

Answers

1. 2 3
2. 0 1
3. 5 -1
4. Error

3. What will be the output of following program ?

```
#include <stdio.h>
void main()
{
    int a=10;
   switch(a){
        case 5+5:
            printf(“Pune\n”);
        default:
            printf(“Karad\n”);
    }
}
```

Answers

1.Pune
  Karad
2. Pune
3. Karad
4. Compile time error.

4. Find the output of the following:

```
int main()
{
    int m=1,n=1;
    if(--n && n || n--)
        printf("%d",m ^ n);
    else
        printf("%d",m & n);
}
```

Answers

1. 0
2. 1
3. -1
4. -2

5. What will be the output of following program ?

```
#include<stdio.h>
 int main()
 {
     char ch;
     if((~sizeof(ch) + !sizeof('A')))
           printf("Hinjewadi");
       else
          printf("MarketYard");
      return 0;
  }
```

Answers

1. MarketYard
2. Hinjewadi
3. NO OUTPUT
4. Hinjewadi
   MarketYard

6. Find the output of the following:

```
int main()
{
    int x=0,y=0,z=0;
    if(x!=3,y=!2,z==1,z)
        printf("x=%d y=%d",x,y);
        printf("x=%d y=%d z=%d",x,y,z);
}
```

Answers

1. x=0 y=0 x=1 y=1 z=0
2. x=1 y=0 x=0 y=0 z=0
3. x=0 y=0
4. x=0 y=0 z=0

7. Which is true statement of the following:
I. We can substitute any kind of if else code with switch code.
II. We can use the same expression with multiple if.
III. We can use the same expression with multiple cases within a single switch.
IV. Use of default case is optional in switch case like else with if.

Answers

1. III
2. II
3. IV
4. I

8.
```
int main()
{
    typedef enum words{STRONG=1,SIMPLE,WEAK} WORD;
    enum tastes {SWEET=1,TANGENT,SOUR,SALTY} TASTE = SOUR;
    switch(TASTE)
    {
        case SOUR:
                printf("RAW MANGO");
                break;
        case WEAK:
                printf("Weak word");
                break;
    }
}
```

Answers

1. WORD here is a local variable.
2. TASTE here is a local variable but we can not assign it with SOUR which is an enumerated field of another enum.
3. Above code is not a valid code as SOUR & WEAK are representing the same constants which is causing the use of duplicate case in switch.
4. If we are checking TASTE for various cases then it is illegal to use case WEAK here.

9. #include <stdio.h>

```
int main()
{
 int var;

 var=5>7?6:1!=8<9?50:60;

 printf("%d", var);

 return 0;
}
```

Answers

1. 6
2. 50
3. 1
4. 60

10. What will be the output of following program ?

```
#include<stdio.h>
enum menu
{ a=2,b=3.56 };
enum menu m;
main()
{
    printf(“%d%d”,a,b);
}
```

Answers

1. 2 3
2. 0 1
3. 2 3.56
4. Compile Time Erorr

---------- Compiled by Utkarsh Singh ----------

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