

Day10_Poll_Questions

1.

```
#include<stdio.h>
int main(void)
{
    printf(" SunBeam ");

    if((printf("SunBeam")-7))
        main();
    else
        printf(" SunBeam ");
    return 0;
}
```

- A. prints SunBeam three times
- B. prints SunBeam only once
- C. prints SunBeam twice
- D. prints SunBeam infinite number of times
- E. Compile time error

Answer: A

2.

```
#include<stdio.h>
static int num=9;
int main(void)
{
    if(num<0-2)
        return 0;
    else if(num%2==1)
    {
        printf("%3d,",num-=1);
        --num;
    }
    else{
        printf("%3d,",num-=2);
    }
    main();
    return 0;
}
```

- A. 8, 6, 4, 2, 0,
- B. 8, 6, 4, 2, 0, -3,
- C. 8, 6, 4, 2, 0, -2,
- D. 7, 5, 3, 1, -1,
- E. Run time error

Answer: B

3.

```
#include<stdio.h>
int x=4;
int main(void)
{
    int i;
    for(i=0;i<x;i++)
    {
        static int y=0;
        printf("\n x=%d , y=%d \t",x++,y++);
        if(i<x)
            continue;
        else
            break;
    }
    return 0;
}
```

- A. x=0,y=0 x=1,y=1 x=2,y=2
- B. x=4,y=0 x=5,y=1 x=5,y=2
- C. prints x=4,y=0 x=5,y=1 x=6,y=2 infinite times
- D. x=5,y=0 x=6,y=1 7=0,y=1
- E. Run time error

Answer: C

```
4.
#include <stdio.h>
int function(int val2)
{
    int val1;
    for(val1=1; val1<=val2 || val1<=val2/2; val1=val1<<2 )
        printf("%5d", val1);
    return 0;
}
int var=259;
int main(void)
{
    extern int var;
    printf(" var = %d",function(++var));
    return 0;
}
```

- A. 1 4 16 64 256 var = 0
- B. 1 4 16 64 256 var = 260
- C. 1 16 256 var = 0
- D. compile time error
- E. 1 16 256 var = 260

Answer: A

5.

```
#include<stdio.h>
int fun(int x,int y)
{
    if(x==0)
        return y;
    return fun(x-1,x+y);
}
int main(void)
{
    static int x=fun(2,2);
    printf("X is %d",x);
    return 0;
}
```

- A. X is 5
- B. X is 2
- C. X is 3
- D. Compile time error
- E. Run time error

Answer: D