Sample questions 2

1. Type the exact output from the following code:

```
#include<stdio.h>
#include<conio.h>

void main()
{
   int x = 10, y = 15, temp;
   temp = x;
   x = y;
   y = temp;
   printf("x = %d and y = %d", x, y);
   getch();
}
```

2. Type the exact output from the following code:

```
#include<stdio.h>

int main()
{
   int i = 0;  // declaration and initialization at the same time

   for(i = 0; i < 3; i++)
   {
      printf("i = %d\n", i);
   }

   printf("The value of i after exiting the loop is %d\n", i);
   printf("Coding is Fun !\n");
```

```c
        return 0;

    }
```

3. Type the exact output from the following code:

```c
    #include<stdio.h>


    int main()

    {

            int n, sum = 0, c, remainder;

            n = 5467;


            while(n != 0)

            {

            remainder = n%10;

            sum += remainder;

            n = n/10;

            }


            printf("The value  =  %d\n", sum);

            return 0;

    }
```

4. Type the exact output from the following code:

```c
    #include<stdio.h>
    int main()
    {
      int  num, i;
      num = 26;
      printf("Factors of %d are \n", num);

      for(i = 1; i <= num/2; i++)
      {
```

```
            if(num%i == 0)

                printf("%d\n", i);

        }


        return 0;

    }
```

5.  Type the exact output from the following code for 3 integers 10, 20, 30

```
#include<stdio.h>

int main()

{

    int n,sum=0,c,value;


    printf("Enter the number of integers you want to add:  ");

    scanf("%d", &n);


    printf("Enter %d integers\n",n);

    for(c = 1; c <= n; c++)

    {

        scanf("%d", &value);

        sum += value;

    }


    printf("sum of entered numbers  = %d", sum);

    return 0;

}
```

Answers:

1.  X = 15 and y = 10

2.

    i = 0

i = 1

i = 2

The value of i after exiting the loop is 3

Coding is Fun !


3.

The value  =  22


4.

Factors of 26 are

1

2

3


5.

Enter the number of integers you want to add:  3

Enter 3 integers

10

20

30

sum of entered numbers  = 60