WEEK 1

Q1.

```
#include<stdio.h>

int main()

{

	int c,a,b,i;

	while(1)

	{

		printf("PRESS THE NUMBER TO CHOOSE THE OPERATION :\n");

		printf("1) Add\n");

		printf("2)Subtract\n");

		printf("3)Multiply\n");

		printf("4)Divide\n");

		printf("5)Modulus\n");

		printf("6)Greater than\n");

		printf("7)Lesser than\n");

		printf("8)Equal to\n");

		printf("9)Not equal to\n");

		printf("10)Increement\n");

		scanf("%d",&i);

		printf("Enter two numbers to perform the selected operation:\n");

		scanf("%d%d",&a,&b);

		switch(i)

		{

			case 1:printf("%d + %d = %d \n",a,b,a+b);break;
```

```
case 2:printf("%d - %d = %d \n",a,b,a-b);break;
case 3:printf("%d x %d = %d \n",a,b,a*b);break;
case 4:printf("%d / %d = %d \n",a,b,a/b);break;
case 5:printf("%d mod %d = %d \n",a,b,a%b);break;
case 6:if(a>b)
        {
            printf("%d > %d \n",a,b);

        }
        else
        {
            printf("%d > %d \n",b,a);
        }
        break;
case 7:if(a<b)
        {
            printf("%d < %d \n",a,b);

        }
        else
        {
            printf("%d < %d \n",b,a);
        }
        break;
case 8:if(a==b)
        {
```

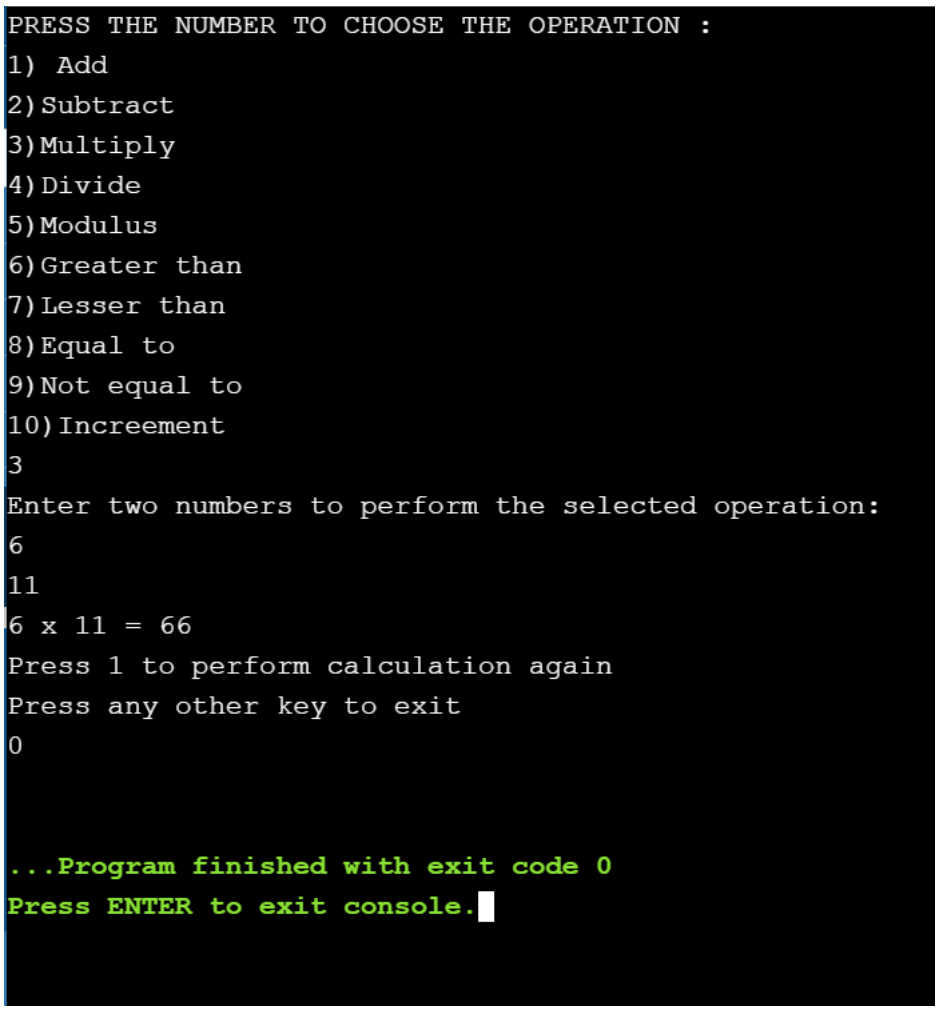
```
                printf("%d = %d \n",a,b);


            }
            else
            {
                printf("%d != %d \n",b,a);
            }
            break;
    case 9:if(a!=b)
            {
                printf("%d != %d \n",a,b);


            }
            else
            {
                printf("%d = %d \n",b,a);
            }
            break;
    case 10:
            printf("%d++ = %d \n",a,a+1);
            printf("%d++ =%d \n",b,b+1);
            break;
    default:printf("WRONG INPUT!\n");
}
printf("Press 1 to perform calculation again\nPress any other key to exit\n");
scanf("%d",&c);
```

```
        if(c!=1)
        {
            break;
        }
    }
}
```

OUTPUT:



Q2.

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

```
int sumaver(int a,int b)
{
	int sum;
	sum=a+b;
	printf("Sum= %d \n",sum);
	return sum/2;

}
void printeven(int a,int b)
{
	int small,big;
	if(a>b)
	{
		small=b;
		big=a;
	}
	else
	{
		small=a;
		big=b;
	}
	printf("Even numbers between two numbers are:\n");
	int i;
	for(i=small+1;i<big;i++)
	{
		if(i%2==0)
```

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

int main()
{
        int a,b,c,avg,g1,g2;
        printf("Enter three numbers:\n");
        scanf("%d%d%d",&a,&b,&c);
        if(c<a && c<b)
        {
            g1=a;
            g2=b;
        }
        else if(b<a && b<c)
        {
            g1=a;
            g2=c;
        }
        else
        {
            g1=b;
            g2=c;
        }

        avg=sumaver(g1,g2);
```

```
    printf("Average of two numbers is : %d \n",avg);

    printeven(g1,g2);


}
```

OUTPUT: