

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:

```

PRESS THE NUMBER TO CHOOSE THE OPERATION :
1) Add
2) Subtract
3) Multiply
4) Divide
5) Modulus
6) Greater than
7) Lesser than
8) Equal to
9) Not equal to
10) Increment
3
Enter two numbers to perform the selected operation:
6
11
6 x 11 = 66
Press 1 to perform calculation again
Press any other key to exit
0

...Program finished with exit code 0
Press ENTER to exit console.

```

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);
```

```
prunteven(g1,g2);
```

```
}
```

OUTPUT:

```
Enter three numbers:
5
11
2
Sum= 16
Average of two numbers is : 8
Even numbers between two numbers are:
6
8
10

...Program finished with exit code 0
Press ENTER to exit console.
```