**WEEK 1 OOJ LAB**

**Q1**

#include<stdio.h>

int main()

{

int c,n1,n2,n;

do

{

printf(" 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",&n);

printf("Enter two numbers \n");

scanf("%d%d",&n1,&n2);

switch(n)

{

case 1:printf("%d + %d = %d \n",n1,n2,n1+n2);

break;

case 2:printf("%d - %d = %d \n",n1,n2,n1-n2);

break;

case 3:printf("%d x %d = %d \n",n1,n2,n1\*n2);

break;

case 4:printf("%d / %d = %d \n",n1,n2,n1/n2);

break;

case 5:printf("%d mod %d = %d \n",n1,n2,n1%n2);

break;

case 6:if(n1>n2)

{

printf("%d > %d \n",n1,n2);

}

else

{

printf("%d > %d \n",n2,n1);

}

break;

case 7:if(n1<n2)

{

printf("%d < %d \n",n1,n2);

}

else

{

printf("%d < %d \n",n2,n1);

}

break;

case 8:if(n1==n2)

{

printf("%d = %d \n",n1,n2);

}

else

{

printf("%d != %d \n",n2,n1);

}

break;

case 9:if(n1!=n2)

{

printf("%d != %d \n",n1,n2);

}

else

{

printf("%d = %d \n",n2,n1);

}

break;

case 10:

printf("%d++ = %d \n",n1,n1+1);

printf("%d++ =%d \n",n2,n2+1);

break;

default:printf("WRONG INPUT!\n");

}

printf("do you want to continue?\n");

printf("if no click 0 else tap anyother key\n");

scanf("%d",&c);

}

while(c!=0);

return 0;

}

**Output**



**Q2**

#include <stdio.h>

int sumaver(int n1,int n2)

{

int sum;

sum=n1+n2;

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

return sum/2;

}

void printeven(int n1,int n2)

{

int s,b;

if(n1>n2)

{

s=n2;

b=n1;

}

else

{

s=n1;

b=n2;

}

printf("The even numbers between two numbers are:\n");

for(int i=s+1;i<b;i++)

{

if(i%2==0)

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

}

}

int main()

{

int n1,n2,t,avg,x1,x2;

printf("Enter three numbers:\n");

scanf("%d%d%d",&n1,&n2,&t);

if(t<n1 && t<n2)

{

x1=n1;

x2=n2;

}

else if(n2<n1 && n2<t)

{

x1=n1;

x2=t;

}

else

{

x1=n2;

x2=t;

}

avg=sumaver(x1,x2);

printf("Average is : %d \n",avg);

printeven(x1,x2);

}

**Output**

