**Program: 1**

#include<stdio.h>

void main()

{

int no1,no2,result,choice;

printf("Enter two numbers:");

scanf("%d %d",&no1,&no2);

do{

printf("1.Add\t2.Subtract\t3.Multiply\t4.Divide\t5.Modulus\t");

printf("6.less than\t7.NotEqual\t8.Greater than \t9.Greater than or equal to\t");

printf("10.Less than or equal to\n");

printf("\n11.enter your choice\n");

scanf("%d",&choice);

switch(choice)

{

case 1: result=no1+no2;

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

break;

case 2: result=no1-no2;

printf("Difference= %d\n",result);

break;

case 3: result=no1\*no2;

printf("Product= %d\n",result);

break;

case 4: result=no1/no2;

printf("Quotient= %d\n",result);

break;

case 5:result=no1%no2;

printf("Remainder= %d\n",result);

break;

case 6:if(no1<no2)

printf("Number1 is less than Number2\n");

else

printf("false\n");

break;

case 7:if(no2!=no1)

printf("Number1 is Not Equal to number2\n");

else

printf("false\n");break;

case 8:if(no1>no2)

printf("Number1 is greater than Number2 \n");

else

printf("false\n");break;

case 9:if(no1>=no2)

printf("Number1 is gerater than or equal to Number2\n");

else

printf("false\n");break;

case 10:if(no1<=no2)

printf("Number1 is less than or equal to Number2\n");

else

printf("false\n");break;

case 11:break;

default:printf("Invalid choice");

}

if(choice == 11)

printf("\n Your Exiting the Programe\n");

}

while(choice!=11);

}

**Program: 2.a**

#include<stdio.h>

#include<string.h>

#include<math.h>

float sumaver(int,int);

int main()

{

int a,b,c,large,seclarge;

printf("enter 3 numbers\n");

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

large=((a>b)?((a>c)?a:c):((b>c)?b:c));

if((a>b||a>c)&&(a<large))

{

seclarge=a;

}

else if(((b>a)||b>c)&&(b<large))

{

seclarge=b;

}

else

{

seclarge=c;

}

float avg=sumaver(large,seclarge);

printf("average of the first 2 numbers is %f\n",avg);

}

float sumaver(int a,int b)

{

int sum=a+b;

printf("sum of two numbers is %d\n",sum);

float avg=sum/2;

return avg;

}

**Program: 2.b**

#include<stdio.h>

#include<string.h>

#include<math.h>

int printeven(int,int);

int main()

{

int a,b,c,large,seclarge;

printf("enter 3 numbers\n");

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

large=((a>b)?((a>c)?a:c):((b>c)?b:c));

if((a>b||a>c)&&(a<large))

{

seclarge=a;

}

else if(((b>a)||b>c)&&(b<large))

{

seclarge=b;

}

else

{

seclarge=c;

}

int x=printeven(large,seclarge);

}

int printeven(int a,int b)

{

int x=a;

int y=b;

printf("printing all even numbers between a and b\n");

for(int i=y+1;i<x;i++)

{

if((i%2)==0)

{

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

}

}

}