Lab 3

**1.**

//1

#include<stdio.h>

#include<math.h>

main()

{

int a, b, c;

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

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

if(a>b && a>c)

{

printf("max: %d\n",a);

}else if(b>c)

{

printf("max: %d\n",b);

}else

{

printf("max: %d\n",c);

}

}

2.

//2

#include<stdio.h>

#include<math.h>

main()

{

int a,b,c;

printf("Entar Value A : \n");

scanf("%d",&a);

printf("Enter Value B : \n");

scanf("%d",&b);

printf("Enter Value C : \n");

scanf("%d",&c);

if(a>b)

{

if(a>c)

{

printf("\nA is Maximum Value.%d",a);

}

else

{

printf("\nC is Maximum Value.%d",c);

}

}

else

{

if(b>c)

{

printf("\nB is Maximum Value.%d",b);

}

else

{

printf("\nC is Maximum Value.%d",c);

}

}

getch();

}

3.

//3

#include<stdio.h>

#include<math.h>

main()

{

int a, b, c,d;

printf("Enter four integer numbers: \n");

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

if(a>b && a>c && a>d)

{

printf("max: %d\n",a);

}else if(b>c && b>d)

{

printf("max: %d\n",b);

}else if(c>d){

printf("max: %d\n",c);

}else

{

printf("max: %d\n",d);

}

}

4.

//4

#include<stdio.h>

#include<math.h>

int main()

{

int a,b,c,d;

printf("Entar Value A : \n");

scanf("%d",&a);

printf("Enter Value B : \n");

scanf("%d",&b);

printf("Enter Value C : \n");

scanf("%d",&c);

printf("Enter Value d : \n");

scanf("%d",&d);

if(a>b)

{

if(a>c && a>d)

{

printf("\nA is Maximum Value.%d",a);

}

else

{

printf("\nD is Maximum Value.%d",d);

}

}

else if(b>d)

{

if (b>d)

{

printf("\nB is Maximum Value.%d",b);

}

else

{

printf("\D is Maximum Value.%d",d);

}

}

else{

if(c>d)

{

printf("\nC is Maximum Value.%d",c);

}

else

{

printf("\nD is Maximum Value.%d",d);

}

}

getch();

}

5.

//5

#include<stdio.h>

#include<math.h>

int main(){

int x;

printf("Enter a number:");

scanf("%d",&x);

if(x>0){

printf("The number is positive");

}

else if(x<0){

printf("The number is negative");

}

else {printf("The number is 0");}}

6.

//6

#include <stdio.h>

#include<stdio.h>

int main()

{

int num;

printf("Enter a number to test:\n ");

scanf("%d", &num);

if((num %5 == 0) && (num %11 == 0))

{

printf("Number is divisible by 5 and 11");

}

else

{

printf("Number is not divisible by 5 and 11");

}

return 0;

}

7.

//7

#include<stdio.h>

#include<math.h>

main()

{

int year;

printf("Enter the year (4 digit) to cheak : ");

scanf("%d",&year);

if (year %400==0||(year%100!=0&&year%4==0))

printf("This is a leap year %d\n",year);

else

printf("This is not a leap year %d\n",year);

getchar();

}

8.

//8

#include<stdio.h>

#include<conio.h>

main()

{

int i, n, prod;

printf("Enter a number : ");

scanf("%d",&n);

for (i=1;i<=10;i++){

prod = n\*i;printf("%d\*%d=%d\n",n,i,prod);

}

getch();

}

9.

//9

#include <stdio.h>

#include <math.h>

int main()

{

int num;

float root;

printf("Enter any number to find square root: ");

scanf("%d", &num);

root = sqrt(num);

printf("Square root of %d = %.3f", num, root);

}

10.

//10

#include<stdio.h>

#include<math.h>

int x,y,i;

printf("Please enter the range:");

scanf("%d",&y);

printf("Please enter two number:");

for(i=1;i<=y;i++){

scanf("%d%d",&x,&y);

if(x>y){

printf("%d is the largest",x);

}

else{printf("%d is the largest",y);}

}

}