POWER OF NUMBER

Using while loop:

program:

#include<stdio.h>

int main()

{

int n,i,a,power=1;

printf("Enter the number:");

scanf("%d",&a);

printf("Enter its power:");

scanf("%d",&n);

for(i=1;i<=n;i++)

{

power=power\*a;

}

printf(" %d to the power %d is : %d",a,n,power);

return 0;

}

OUTPUT:

Enter the number:5

Enter its power:4

5 to the power 4 is: 625

Using pow() function:

program:

#include<stdio.h>

#include<math.h>

int main()

{

int n,i,a,power=1;

printf("Enter the number:");

scanf("%d",&a);

printf("Enter its power:");

scanf("%d",&n);

power=pow(a,n);

printf(" %d to the power %d is : %d",a,n,power);

return 0;

}

OUTPUT:

Enter the number:4

Enter its power:3

4 to the power 3 is: 64