Program-2

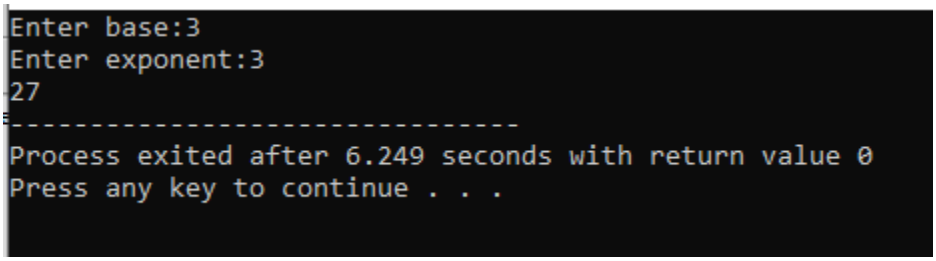
(Lab-2, 12-08-2020)

Task: Write a program to calculate power of given number using recursion.

Source Code:

```
//Calculate Power using Recursion
#include<stdio.h>
long int pow(int,int);
int main()
{
	int b,e;
	printf("Enter base:");
	scanf("%d",&b);

	printf("Enter exponent:");
	scanf("%d",&e);

	printf("%ld", pow(b,e));
}

long int pow(int b, int e)
{
	if(e==1)
	{
		return b;
	}
	else
	{
		e=e-1;
		b=b*pow(b,e);

	}
}
```

Output:



Program-3

(Lab-2, 12-08-2020)

Task: Write a program find largest element in given array

Source Code:

```
//Find largest element is the array having atleast 5 elements
#include<stdio.h>
int main()
{
	int size,i,a[100],max;
	printf("Enter size of array:");
	scanf("%d", &size);

	printf("\nEnter %d elements:",size);
	for(i=0;i<size;i++)
	{
		scanf("%d", &a[i]);
	}
	max=a[0];

	for(i=0;i<size;i++)
	{
	  if(a[i]>max)
	  {
		max=a[i];
	  }
	}
```

```
    printf("Largest element is: %d", max);
}
```

Output: