

The output of langrange interpolation is :

```
D:\BigyanNM\interpolation\la × + v
Enter number of data: 4
Enter data:
x[1] = 0
y[1] = 2
x[2] = 1
y[2] = 3
x[3] = 2
y[3] = 12
x[4] = 5
y[4] = 147
Enter interpolation point: 3
langrange interpolated value at 3.000 is 35.000.
-----
Process exited after 29.18 seconds with return value 0
Press any key to continue . . .
```

The output of Newton's forward interpolation is :

```
D:\BigyanNM\interpolation\n  × + ▾
Enter number of data?
5
Enter data:
x[0]=4
x[1]=8
x[2]=12
x[3]=16
x[4]=20
y[0]=98.6
y[1]=99.1
y[2]=98.8
y[3]=100.2
y[4]=99.4

Enter interpolation point = 6
Forward interpolation value at 6.000000 = 99.356247
-----
Process exited after 60.1 seconds with return value 0
Press any key to continue . . . |
```

The output of the Newton's backward interpolation is :

```
D:\BigyanNM\interpolation\n  ×  +  ∨  
Enter number of data?  
5  
Enter data:  
x[0]=4  
x[1]=8  
x[2]=12  
x[3]=16  
x[4]=20  
y[0]=98.6  
y[1]=99.1  
y[2]=98.8  
y[3]=100.2  
y[4]=99.4  
  
Enter interpolation point = 18  
Backward interpolation value at 18.000000 = 100.568756  
-----  
Process exited after 60.74 seconds with return value 0  
Press any key to continue . . . |
```