

TASK 1

Untitled1.cpp

```
1  #include <iostream>
2  using namespace std;
3
4  // Abdul Moiz 474550 ME15 LAB TASK 19th october
5
6  int main(){
7      int j;
8      cin >> j;
9      int sum = 0 ;
10     for (int i; i <= j; ++i){
11         sum = sum + i;
12     }
13
14     cout << sum;
15     return 0;
16 }
17 }
```

C:\Users\abmoiz.ug23smme\Documents\Untitled1.exe

```
10
55
-----
Process exited after 1.851 seconds with return value 0
Press any key to continue . . .
```

TASK 2

```
1  #include <iostream>
2  using namespace std;
3
4  // Abdul Moiz 474550 ME15 LAB TASK 19th october
5
6  int main(){
7      int j = 0;
8      for (int i = 1; i <= 10; ++i){
9          j = 2 * i;
10         cout << "2 x " << i << " = " << j << endl;
11     }
12     return 0;
13 }
```

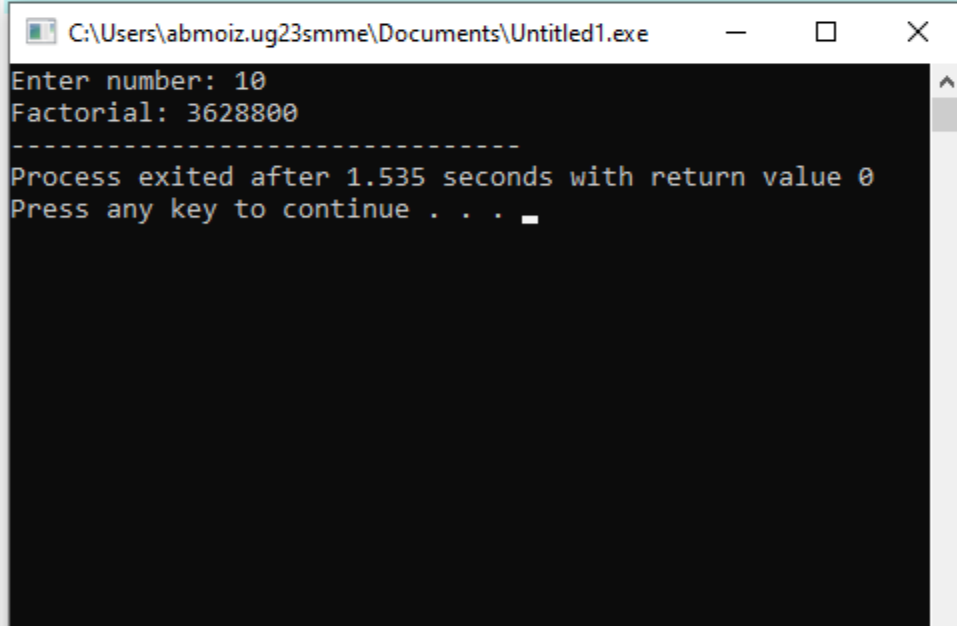
C:\Users\abmoiz.ug23smme\Documents\Untitled1.exe

```
2 x 1 = 2
2 x 2 = 4
2 x 3 = 6
2 x 4 = 8
2 x 5 = 10
2 x 6 = 12
2 x 7 = 14
2 x 8 = 16
2 x 9 = 18
2 x 10 = 20
```

```
-----
Process exited after 0.0542 seconds with return value 0
Press any key to continue . . .
```

TASK 3

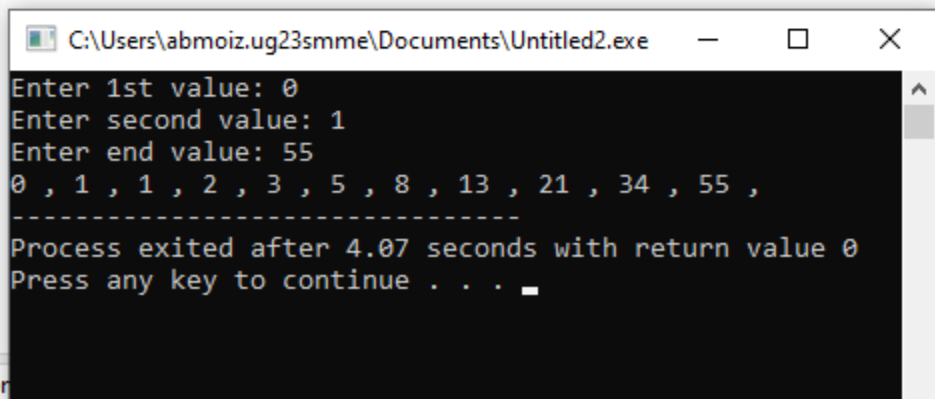
```
1  #include <iostream>
2  using namespace std;
3
4  // Abdul Moiz 474550 ME15 LAB TASK 19th october
5
6  int main(){
7      int fact = 1, num;
8      cout << "Enter number: ";
9      cin >> num;
10
11     for (int i; i <= num; i++){
12         .....
13         fact = fact * i;
14     }
15     cout << "Factorial: " << fact;
16     return 0;
17 }
18
```



```
C:\Users\abmoiz.ug23smme\Documents\Untitled1.exe
Enter number: 10
Factorial: 3628800
-----
Process exited after 1.535 seconds with return value 0
Press any key to continue . . .
```

TASK 4

```
1  #include <iostream>
2  using namespace std;
3  // Abdul Moiz 474550 ME15B 19th oct lab task
4  int main(){
5
6      int var1, var2, var3, sum = 0;
7      cout << "Enter 1st value: ";
8      cin >> var1;
9      cout << "Enter second value: ";
10     cin >> var2;
11     cout << "Enter end value: ";
12     cin >> var3;
13     do{
14         if (var1 == 0 && var2 == 1){
15             sum = var1 + var2;
16             cout << var1 << " , " << var2 << " , ";
17         }
18         sum = var1 + var2;
19         cout << sum << " , ";
20         var1 = var2;
21         var2 = sum;
22     } while(sum < var3);
23     return 0;
24 }
```



```
C:\Users\abmoiz.ug23smme\Documents\Untitled2.exe
Enter 1st value: 0
Enter second value: 1
Enter end value: 55
0 , 1 , 1 , 2 , 3 , 5 , 8 , 13 , 21 , 34 , 55 ,
-----
Process exited after 4.07 seconds with return value 0
Press any key to continue . . .
```