## Name: Saira Asad LAB TASK 5

```
#include<iostream> //display even n.o 2-20
   1
         using namespace std;
    2
         int main()
    3
    4□ {
    5
                for(int i=2;i<=20;i++)
    6🗐
    7
               if(i%2==0)
    8
               cout<<"even numbers are: "<< i<<endl;</pre>
    9
  10
         return 0;
  11
  12
  13
  14
Resources 
☐ Compile Log ☐ Debug ☐ Find Results ☐ Console ☐ Close
           - Output Filename: C:\Users\pc planet\OneDrive\Desktop\pf assignment\online class task 1.exe
 File © C\Users\pc planet\OneDrive\Desktop\pf assignment\online class task 1.exe
                                                                                                                                       even numbers are: 2
even numbers are: 4
even numbers are: 6
Projeeven numbers are: 8
even numbers are: 10
even numbers are: 12
even numbers are: 14
even numbers are: 16
even numbers are: 18
even numbers are: 18
                                                                                                                                                     Process exited after 0.09659 seconds with return value 0
Press any key to continue . . . _
```

```
//display factorial
           1 #include<iostream>
           2 using namespace std;
            3 int main()
           4□ {
           5
                     int fact=1,num,i=1;
                     cout<<"Enter any number:";
            6
                     cin>>num;
            7
            8
                     while(i<=num)
            9
                          fact=fact*i;
          10
          11
                          i++;
          12
          13
                     cout<<"Factorial of number is: "<<fact<<endl;</pre>
          14
                     return 0;
          15 }
          16
          17

    C:\Users\pc planet\OneDrive\Desktop\pf assignment\online task 3.exe

                                                                                                                     ×
   Enter any number:5
Factorial of number is: 120
   Process exited after 3.934 seconds with return value 0
Press any key to continue . . . _
  1 #include<iostream> //display prime n.o from 1-20 using while Loop
2 using namespace std;
3 int main()
  4□ {
          int num=2:
           cout<<"prime number from 1-20 are:"<<endl;</pre>
  7
8<u>=</u>
          while(num<=20)
               while(i<num && num%i!=0)
  11
                   i++;
               if(i==num)
  15
                  cout<<num<<endl;</pre>
               num++;
          return 0;
```

□ Re

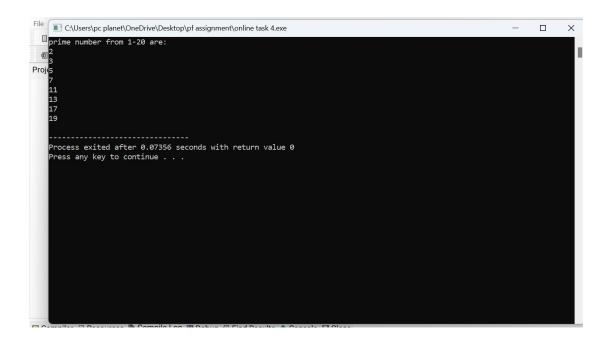
5

10

13 14

16 17

19 20



```
2 using names int main()
4 {
5 int che
6 | do
7 | {
8 | cout<<
10 | cout<</td>

11 | cout<</td>

12 | cout<</td>

13 | if(che
15 | {
16 | c
17 | c
18 | if(che
15 | {
16 | c
17 | c
18 | if(che
15 | c
17 | c
18 | if(che
15 | c
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28 | c
29 | c
30 | c
31 | c
31 | c
31 | c
32 | c
33 | c
34 | c
35 | c
36 | c
37 | c
38 | c
38 | c
39 | c
31 | c
31 | c
31 | c
31 | c
32 | c
33 | c
34 | c
35 | c
36 | c
37 | c
38 | c

              2 using namespace std;
                                                                                                                                     // using do while loop
                                                           int choice,num1,num2,result;
                                                         {
cout<<"Menu:"<<end1;
cout<<"1.Addition"<<end1;
cout<<"2.Subtraction"<<end1;
cout<<"3.Exit"<<end1;
cout<<"S.Exit"<<end1;
cout<<"S.Exit"<<end1;
cout<<%out.
                                                          cin>>choice;
if(choice==1||choice==2)
                                                                           cout<<"enter two numbers"<<endl;
cin>>num1>>num2;
                                                                          if(choice==1)
                                                                           tresult=num1+num2;
cout<<"Result: "<<num1<<"+"<<num2<<"=""<<result<<end1;
                                                                           else if(choice==2)
                                                                           result=num1-num2;
cout<<"Result: "<<num1<<"-"<<num2<<"="<<result<<end1;}
                                                                           else if(choice==3)
                                                                           cout<<"Exiting the program";
               31
32 -
33
34
35 -
36
37 -
                                                          else
                                                           cout<<"Invalid choice"<<endl;
                36
37 - }
38 - }
                                                          while(choice!=3);
       return 0;
41

C:\Users\pc planet\OneDrive\Desktop\pf assignment\online task 5.exe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C 1 Menu:
1.Addition
2.Subtraction
3.Exit
Select an option (1-3):1
enter two numbers
                          20
Result: 30+20=50
                          Menu: 30720-30
Menu:
1.Addition
2.Subtraction
3.Exit
Select an option (1-3):2
enter two numbers
                            Result: 5-4=1
                           Menu:
1.Addition
                           2.Subtraction
3.Exit
                           Select an option (1-3):3
Exiting the program
                            Process exited after 25.88 seconds with return value 0
                            Press any key to continue . . . _
         iler
```