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LAB TASK 5

```
1 #include<iostream> //display even n.o 2-20
2 using namespace std;
3 int main()
4 {
5     for(int i=2;i<=20;i++)
6     {
7         if(i%2==0)
8             cout<<"even numbers are: "<< i<<endl;
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

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
even 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: 20

Process exited after 0.09659 seconds with return value 0
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Console Close

- Output Filename: C:\Users\pc planet\OneDrive\Desktop\pf assignment\online class task 1.exe

```
1 #include<iostream> //display table of 9
2 using namespace std;
3 int main()
4 {
5     int num=9;
6     cout<<"Table of 9 is"<<endl;
7     for(int i=1;i<=10;i++)
8     {
9         cout<<num<<"*"<<i<<"="<<num*i<<endl;
10    }
11 }
```

C:\Users\pc planet\OneDrive\Desktop\pf assignment\online class task 2.exe

```
Table of 9 is
9*1=9
9*2=18
9*3=27
9*4=36
9*5=45
9*6=54
9*7=63
9*8=72
9*9=81
9*10=90
```

```
-----
Process exited after 0.09298 seconds with return value 0
Press any key to continue . . .
```

Compilation Time: 0.70s

```

1  #include<iostream>    //display factorial
2  using namespace std;
3  int main()
4  {
5      int fact=1,num,i=1;
6      cout<<"Enter any number:";
7      cin>>num;
8      while(i<=num)
9      {
10         fact=fact*i;
11         i++;
12     }
13     cout<<"Factorial of number is: "<<fact<<endl;
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  {
5      int num=2;
6      cout<<"prime number from 1-20 are:"<<endl;
7      while(num<=20)
8      {
9          int i=2;
10         while(i<num && num%i!=0)
11         {
12             i++;
13         }
14         if(i==num)
15         {
16             cout<<num<<endl;
17         }
18         num++;
19     }
20     return 0;
21 }
22

```

```
File C:\Users\pc planet\OneDrive\Desktop\pf assignment\online task 4.exe
prime number from 1-20 are:
2
3
5
7
11
13
17
19
-----
Process exited after 0.07356 seconds with return value 0
Press any key to continue . . .
```

```
2 using namespace std; // using do while loop
3 int main()
4 {
5     int choice,num1,num2,result;
6     do
7     {
8         cout<<"Menu:"<<endl;
9         cout<<"1.Addition"<<endl;
10        cout<<"2.Subtraction"<<endl;
11        cout<<"3.Exit"<<endl;
12        cout<<"Select an option (1-3):";
13        cin>>choice;
14        if(choice==1||choice==2)
15        {
16            cout<<"enter two numbers"<<endl;
17            cin>>num1>>num2;
18
19            if(choice==1)
20            {
21                result=num1+num2;
22                cout<<"Result: "<<num1<<"+"<<num2<<"="<<result<<endl;
23            }
24            else if(choice==2)
25            {
26                result=num1-num2;
27                cout<<"Result: "<<num1<<"-"<<num2<<"="<<result<<endl;
28            }
29            else if(choice==3)
30            {
31                cout<<"Exiting the program";
32            }
33
34            else
35            {
36                cout<<"Invalid choice"<<endl;
37            }
38        }
39        while(choice!=3);
40        return 0;
41    }
```

C:\Users\pc planet\OneDrive\Desktop\pf assignment\online task 5.exe

```
Menu:
1.Addition
2.Subtraction
3.Exit
Select an option (1-3):1
enter two numbers
30
20
Result: 30+20=50
Menu:
1.Addition
2.Subtraction
3.Exit
Select an option (1-3):2
enter two numbers
5
4
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 . . .
```

Compilation Time: 0.70s