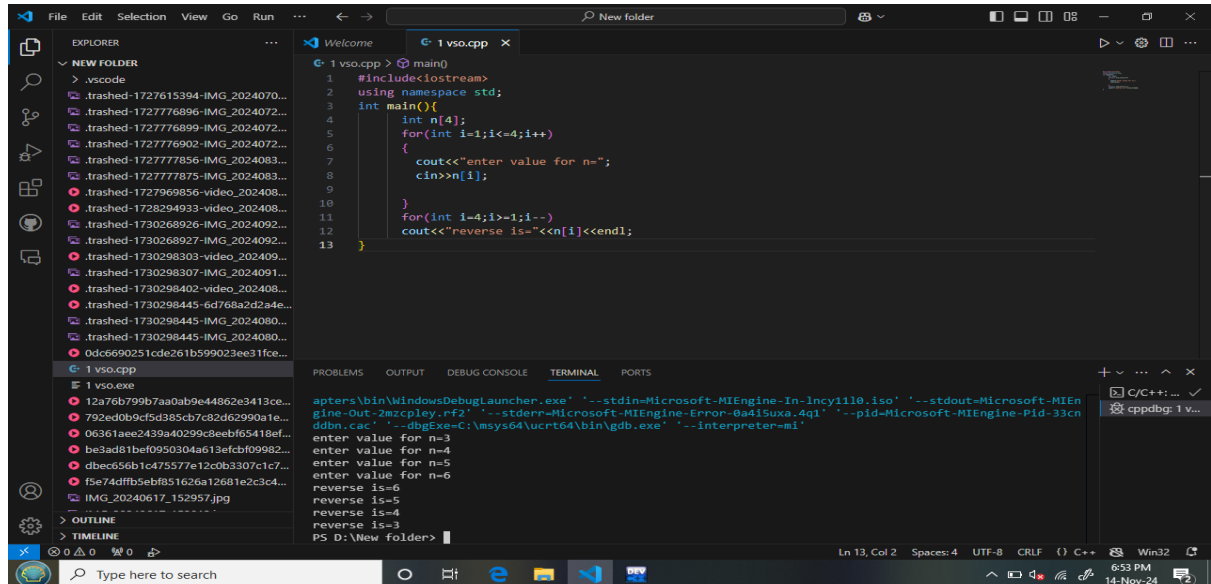


Mamoon Rashid

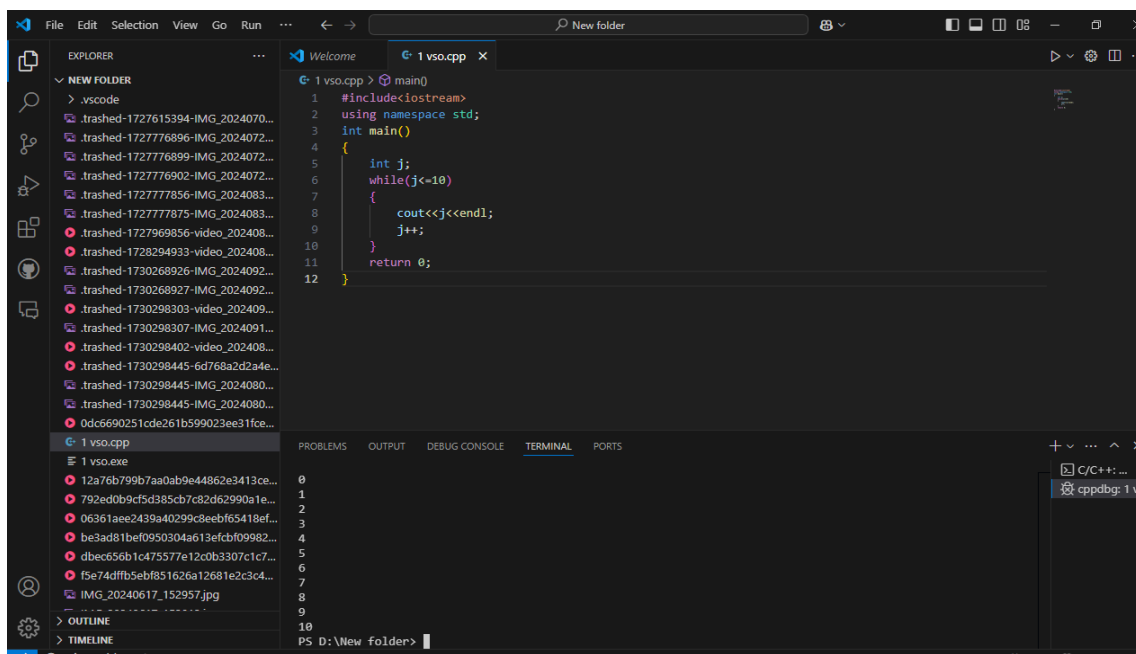
Submitted to mam Natasha saeed



The screenshot shows the Visual Studio Code interface with a C++ file named `1 vso.cpp`. The code is as follows:

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     int n[4];
6     for(int i=1;i<=4;i++)
7     {
8         cout<<"enter value for n=";
9         cin>>n[i];
10    }
11    for(int i=4;i>=1;i--)
12    {
13        cout<<"reverse is"<<n[i]<<endl;
14    }
```

The terminal output shows the execution of the program, where the user enters values for `n` (3, 4, 5, 6) and the program prints the reverse order (6, 5, 4, 3).



The screenshot shows the Visual Studio Code interface with a C++ file named `1 vso.cpp`. The code is as follows:

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     int j;
6     while(j<=10)
7     {
8         cout<<j<<endl;
9         j++;
10    }
11    return 0;
12 }
```

The terminal output shows the execution of the program, which prints the first 10 natural numbers (1 through 10) on separate lines.

The screenshot shows the Visual Studio Code editor with a C++ file named `1 vso.cpp`. The code is as follows:

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     int num,i=1;
6     int product=1;
7     cout<<"enter an num";
8     cin>>num;
9     while(i<10)
10    {
11        product=num*i;
12        cout<<num<<"x"<<i<<"="<<product<<endl;
13        i++;
14    }
15    return 0;
16 }
```

The terminal output shows the program execution:

```
enter value for num
10
10x1=1020x2=2030x3=3040x4=4050x5=5060x6=6070x7=7080x8=8090x9=90
PS D:\New folder>
PS D:\New folder> & 'c:\Users\Sajjadahmad\.vscode\extensions\ms-vscode.cpptools-1.22.11-win32-x64\debugAd
apters\bin\WindowsDebugLauncher.exe' '--stdin=Microsoft-MIEngine-In-elwa5lem.dbg' '--stdout=Microsoft-MIEn
gine-Out-5idspyfd.nkz' '--stderr=Microsoft-MIEngine-Error-z4sf5vsy.ldm' '--pid=Microsoft-MIEngine-Pid-mail
n2vu.y5m' '--dbgExe=C:\msys64\ucrt64\bin\gdb.exe' '--interpreter=mi'
enter value for num
10
10x1=1020x2=2030x3=3040x4=4050x5=5060x6=6070x7=7080x8=8090x9=90
PS D:\New folder>
```

The screenshot shows the Visual Studio Code editor with a C++ file named `1 vso.cpp`. The code is as follows:

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     int n=5;
6     for(int i=1;i<=n;i++)
7     {
8         for(int j=1;j<=n;j++)
9         {
10            cout<<" ";
11        }
12    }
13    for(int j=1;j<=2*i+i++)
14    cout<<"*";
15    }
16    cout<<endl;
17 }
```

The terminal output shows the program execution:

```
enter value for num
10
10x1=1020x2=2030x3=3040x4=4050x5=5060x6=6070x7=7080x8=8090x9=90
PS D:\New folder>
PS D:\New folder> & 'c:\Users\Sajjadahmad\.vscode\extensions\ms-vscode.cpptools-1.22.11-win32-x64\debugAd
apters\bin\WindowsDebugLauncher.exe' '--stdin=Microsoft-MIEngine-In-elwa5lem.dbg' '--stdout=Microsoft-MIEn
gine-Out-5idspyfd.nkz' '--stderr=Microsoft-MIEngine-Error-z4sf5vsy.ldm' '--pid=Microsoft-MIEngine-Pid-mail
n2vu.y5m' '--dbgExe=C:\msys64\ucrt64\bin\gdb.exe' '--interpreter=mi'
enter value for num
10
10x1=1020x2=2030x3=3040x4=4050x5=5060x6=6070x7=7080x8=8090x9=90
```

