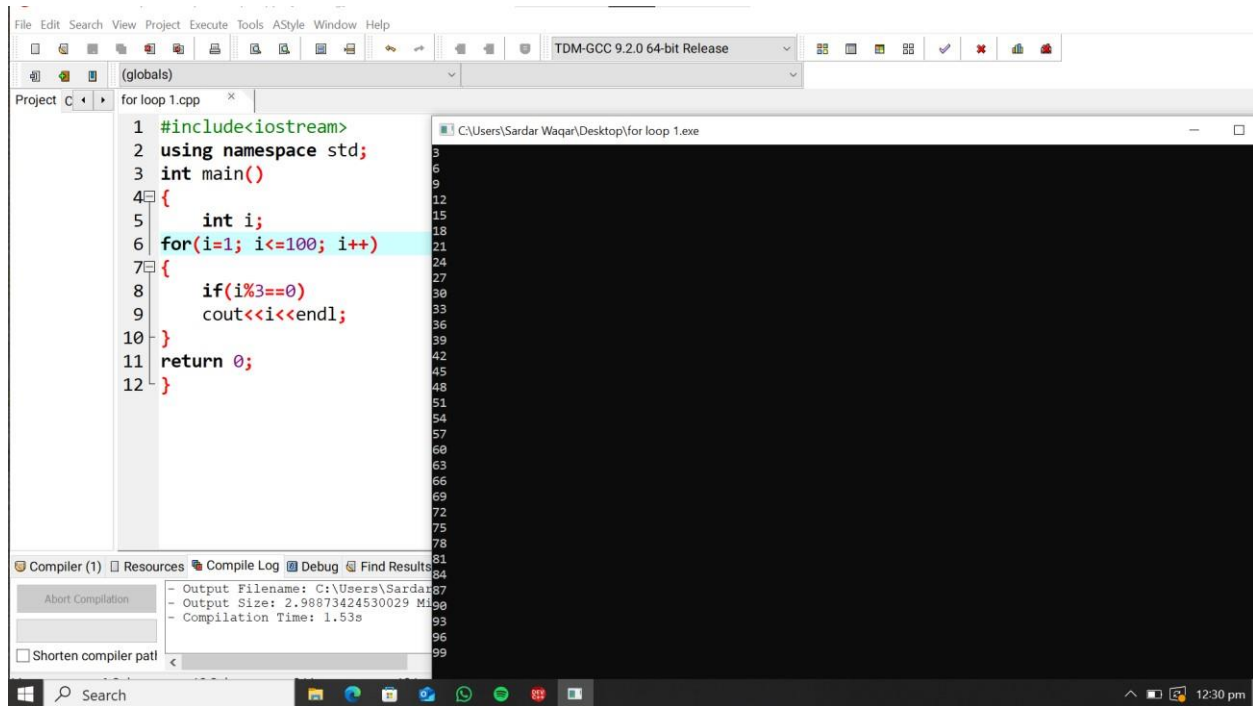


NAME:NOORFATIMA

SAP ID:63903

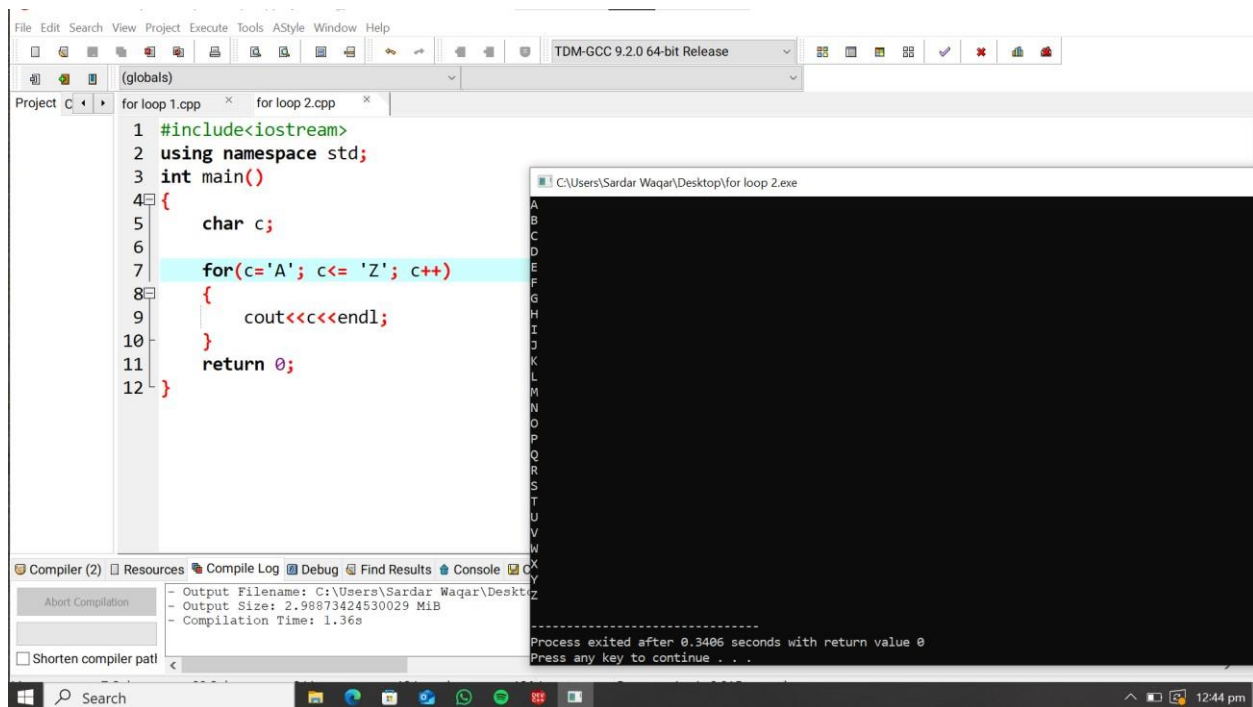


The screenshot shows a C++ IDE with a project named "for loop 1.cpp". The code in the editor is as follows:

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     int i;
6     for(i=1; i<=100; i++)
7     {
8         if(i%3==0)
9             cout<<i<<endl;
10    }
11    return 0;
12 }
```

The output window on the right shows the execution of the program, displaying numbers from 1 to 100 that are divisible by 3 (3, 6, 9, ..., 99). The compiler window at the bottom shows the compilation details for "Compiler (1)".

TASK 2



The screenshot shows a C++ IDE with a project named "for loop 2.cpp". The code in the editor is as follows:

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     char c;
6     for(c='A'; c<= 'Z'; c++)
7     {
8         cout<<c<<endl;
9     }
10    return 0;
11 }
```

The output window on the right shows the execution of the program, displaying the alphabet from A to Z. The compiler window at the bottom shows the compilation details for "Compiler (2)".

TASK 3

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     int i, sum=0, num;
6     for(i=1; i<=10; i++)
7     {
8         cout<<"Enter a positive number";
9         cin>>num;
10        sum=sum+num;
11    }
12    int avg=sum/10;
13    cout<<"the sum is"<<sum<<endl;
14    cout<<"the average is "<<avg;
15    return 0;
16 }
17
18 }
```

Compiler (1) | Resources | Compile Log | Debug | Find Results | Console | Close

Abort Compilation

Shorten compiler path

Output Filename: C:\Users\Sardar Waqar\Desktop\foor loop 3.exe
Output Size: 2.98873424530029 MiB
Compilation Time: 1.30s

C:\Users\Sardar Waqar\Desktop\foor loop 3.exe

Enter a positive number1
Enter a positive number2
Enter a positive number3
Enter a positive number4
Enter a positive number56
Enter a positive number7
Enter a positive number8
Enter a positive number9
Enter a positive number0
Enter a positive number3
the sum is93
the average is 9

Process exited after 13.9 seconds with return value 0
Press any key to continue . . .

TASK 4

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     int i, sum=0, num;
6     for( i=1; i<=5; i++)
7     {
8         cout<<"ENTER NUMBER"<<endl;
9         cin>>num;
10
11        if(num%2==1)
12        {
13            sum=sum+num;
14        }
15    }
16    cout<<"sum"<<sum;
17    return 0;
18 }
```

Compiler (2) | Resources | Compile Log | Debug | Find Results | Console | Close

Abort Compilation

Shorten compiler path

Output Filename: C:\Users\Sardar Waqar\Desktop\for loop 4.exe
Output Size: 2.98873424530029 MiB
Compilation Time: 1.30s

C:\Users\Sardar Waqar\Desktop\for loop 4.exe

ENTER NUMBER
1
ENTER NUMBER
2
ENTER NUMBER
3
ENTER NUMBER
4
ENTER NUMBER
5
sum9

Process exited after 11.49 seconds with return value 0
Press any key to continue . . .

TASK 5

