



# NUST

NATIONAL UNIVERSITY  
OF SCIENCES & TECHNOLOGY

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## Programming lab Home Task

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Section C

### **Home task No:1**

```
#include<iostream>
```

```

using namespace std;

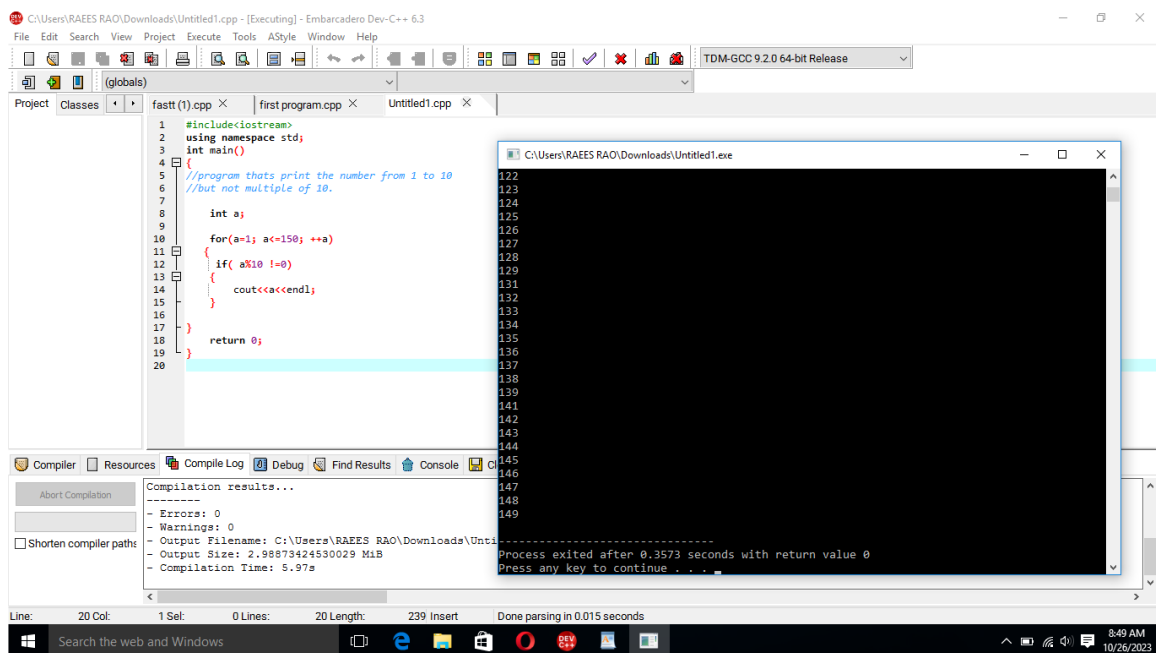
int main()
{
    //program thats print the number from 1 to 10
    //but not multiple of 10.

    int a;

    for(a=1; a<=150; ++a)
    {
        if( a%10 !=0)
        {
            cout<<a<<endl;
        }
    }

    return 0;
}

```



## **Home task No:2**

```
#include<iostream>

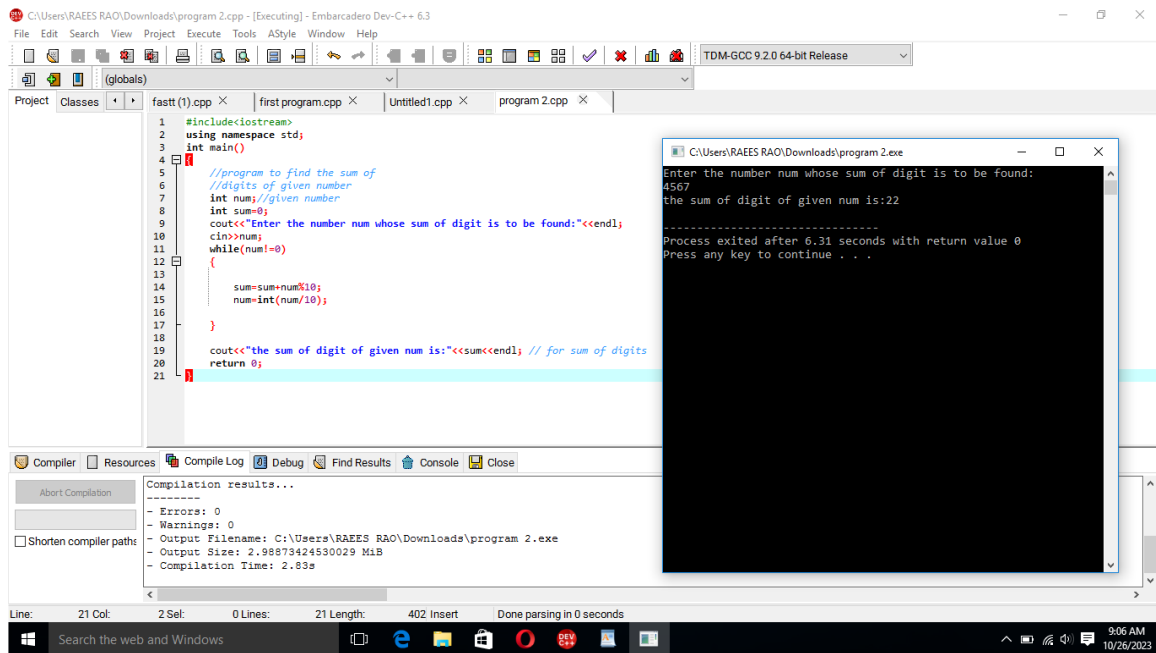
using namespace std;

int main()
{
    //program to find the sum of
    //digits of given number
    int num;//given number
    int sum=0;
    cout<<"Enter the number num whose sum of digit is to be found:"<<endl;
    cin>>num;
    while(num!=0)
    {

        sum=sum+num%10;
        num=int(num/10);

    }

    cout<<"the sum of digit of given num is:"<<sum<<endl; // for sum of digits
    return 0;
}
```



## Home task No:3

```
#include<iostream>
```

```
using namespace std;
```

```
int main()
```

```
{ //program to check that whether a
```

```
//given number is prime or noy
```

```
int i;
```

```
int num;
```

```
cout<<"Enter the value of given number:";
```

```
cin>>num; //for input
```

```
i=2;
```

```
while(i<num)
```

```
{
```

```
    if(num%i==0) //multiple between 1 and given num
```

```
    {
```

```
        cout<<"The given number is not prime number"<<endl;
```

```

        break;

    }

    i++;

}if(i==num){

    cout<<"the given number is prime number"<<endl;//otherwise it is a pprime
number

}return 0;

}

```

