



**NATIONAL UNIVERSITY OF SCIENCES AND
TECHNOLOGY**

PROGRAMMING FUNDAMENTALS

LAB TASK # 4

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<u>COURSE:</u>	<u>CS-114</u>
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Q1:

```
#include <iostream>
using namespace std;
int main() {
    for (int i = 1; i<=150 ; ++i) {
        if (i%10==0) {
            continue;
        }
        cout<<i<<"\n";
    }
    return 0;
}
```

Q 1 (results):

```
7      }
8      cout<<i<<"\n";
9  }
10 return A;
main
main.cpp x
:
137
138
139
141
142
143
144
145
146
```

Q2:

```
#include <iostream>
using namespace std;
int main() {
    int num, new_num, sum=0;
    cout<<"Enter a number: ";
    cin>>num;
    while (num != 0) {
        new_num=num%10;
        num=num/10;
        sum=sum+new_num;
    }
    cout<<"The sum of the numbers is:
"<<sum;
    return 0;
}
```

Q 2 (results):

```
7      while (num != 0){
8          new_num=num%10;
9          num=num/10;
10         sum=sum+new_num;
main
main.cpp x
C:\papers\main.exe
Enter a number:358
The sum of the numbers is: 16
Process finished with exit code 0
```

Q 3:

```
#include <iostream>
using namespace std;
int main() {
    int num; bool prime;
    cout<<"Enter a number: ";
    cin>>num;
    for (int i = 2; i < num-1 ; ++i) {
        if (num%i==0) {
            prime= true;
        } else {
            prime= false;
        }
    }
    if (prime == true) {
        cout<<"The number is prime";
    } else {
        cout<<"The number is not
prime";
    }
    return 0;
}
```

Q 3 (results):

```
6      cin>>num;
7      for (int i = 2; i < num-1 ; ++i) {
8          if (num%i==0){
9              nprime= true;
main
main.cpp x
C:\papers\main.exe
Enter a number:169
The number is not prime
Process finished with exit code 0
|
```