FUNDAMENTALS OF PROGRAMMING(LAB)

By

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Subject: FUNDAMENTALS OF PROGRAMMING
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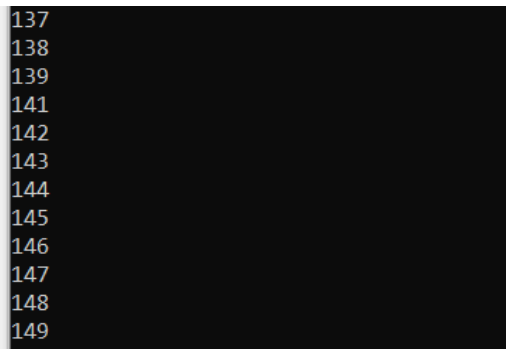
HOME TASK- LAB MANUAL 4

Q1. 1 to 150 without multiples of 10.

```cpp
#include <iostream>

using namespace std;

int main()

{

    for(int i=1;i<=150;i++)

    {

     if(i%10==0)

       continue;

     cout<<i<<endl;

    }

return 0;

}
```

```
137
138
139
141
142
143
144
145
146
147
148
149
```

Q2. Program to find the sum of digits of a number.

```cpp
#include <iostream>

using namespace std;

int main()

{

    int a=0,sum=0,b=0;

    cout<<"Enter the number :";

    cin>>a;

    while (a>0)
```

```cpp
    {
        b=a%10;

        sum+=b;

        a=a/10;

    }

    cout<<"The sum of its all digits is "<<sum;;

    return 0;

}
```

```
"C:\Users\Rizwan computers\OneDrive\Desktop\C++\vwl and consnt THEORY\
Enter the number :123456
The sum of its all digits is 21
Process returned 0 (0x0)   execution time : 3.138 s
Press any key to continue.
```

Q3. Program whether a number is PRIME or NOT .

```cpp
#include <iostream>

using namespace std;

int main()

{

    int num,i,check=0;

    cout<<"ENTER YOUR NUMBER: ";

    cin>>num;

    for(i=1;i<=num;i++)

    {

        if(num%i==0)

        {

            check++;

        }

    }

        if(check==2)

        {
```

```
cout<<num<<" is a PRIME NUMBER.";

}

 else

{

    cout<<num<<" is not a PRIME NUMBER.";

}

return 0;

}
```



```
C:\Users\Rizwan computers\OneDrive\Desktop\C++\vwl and consn
ENTER YOUR NUMBER: 123
123 is not a PRIME NUMBER.
Process returned 0 (0x0)    execution time : 3.859 s
Press any key to continue.
```



```
"C:\Users\Rizwan computers\OneDrive\Desktop\C++\vwl and consnt TH
ENTER YOUR NUMBER: 37
37 is a PRIME NUMBER.
Process returned 0 (0x0)    execution time : 5.734 s
Press any key to continue.
```