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ME-15C

LAB MANUAL 04

Q#1. WRITE A PROGRAM IN C++ THAT PRINTS THE NUMBERS FROM 1 TO 150 EXCEPT THE MULTIPLES OF 10. MAKE USE OF CONTINUE STATEMENT.

INPUT:

1	#include<iostream>
2	using namespace std;
3	int main() {
4	for (int i =0;i<=150;i++)
5	{
6	if (i%10 == 0){
7
8	continue;
9	}
10	else{
11	cout << i << endl;
12	}
13	}
14	
15	return 0;
16	
17	}

OUTPUT:

```
122
123
124
125
126
127
128
129
131
132
133
134
135
136
137
138
139
141
142
143
144
145
146
147
148
149
-----
Process exited after 0.172 seconds with return value 0
Press any key to continue . . .
```

Q#2.WRITE A C++ PROGRAM TO FIND THE SUM OF DIGITS OF A NUMBER .

INPUT:

```
1  #include<iostream>
2  using namespace std;
3  int main() {
4      int num,a=0,sum=0;
5      cout<<"Enter a number:";
6      cin>>num;
7      while (num>1){
8          a=num% 10;
9          cout<< a << "+";
10         sum = sum + a;
11         num = num/10;
12
13     }
14     cout<<"="<<sum;
15     return 0;
16 }
```

OUTPUT:

```
Enter a number:56
6+5+=11
-----
Process exited after 3.103 seconds with return value 0
Press any key to continue . . .
```

Q#3. WRITE A PROGRAM IN C++ TO CHECK WHETHER A NUMBER IS PRIME OR NOT.

INPUT:

```
1
2  #include <iostream>
3  using namespace std;
4  int main (){
5      int m;
6      cout << "Enter a number:";
7      cin >> m;
8      for (int i = 1; i <= 10; i++){
9          if (m%i == 0){
10             if (i == 1 || i == m){
11                 continue;
12             }
13             }
14         else {
15             cout << "The number is not prime";
16             break;
17         }
18     }
19     else{
20         if (i == 10){
21             cout << "Number is prime";
22         }
23     }
24 }
25
26
27 }
```

OUTPUT:

```
Enter a number:69
The number is not prime
-----
Process exited after 3.652 seconds with return value 0
Press any key to continue . . .
```

