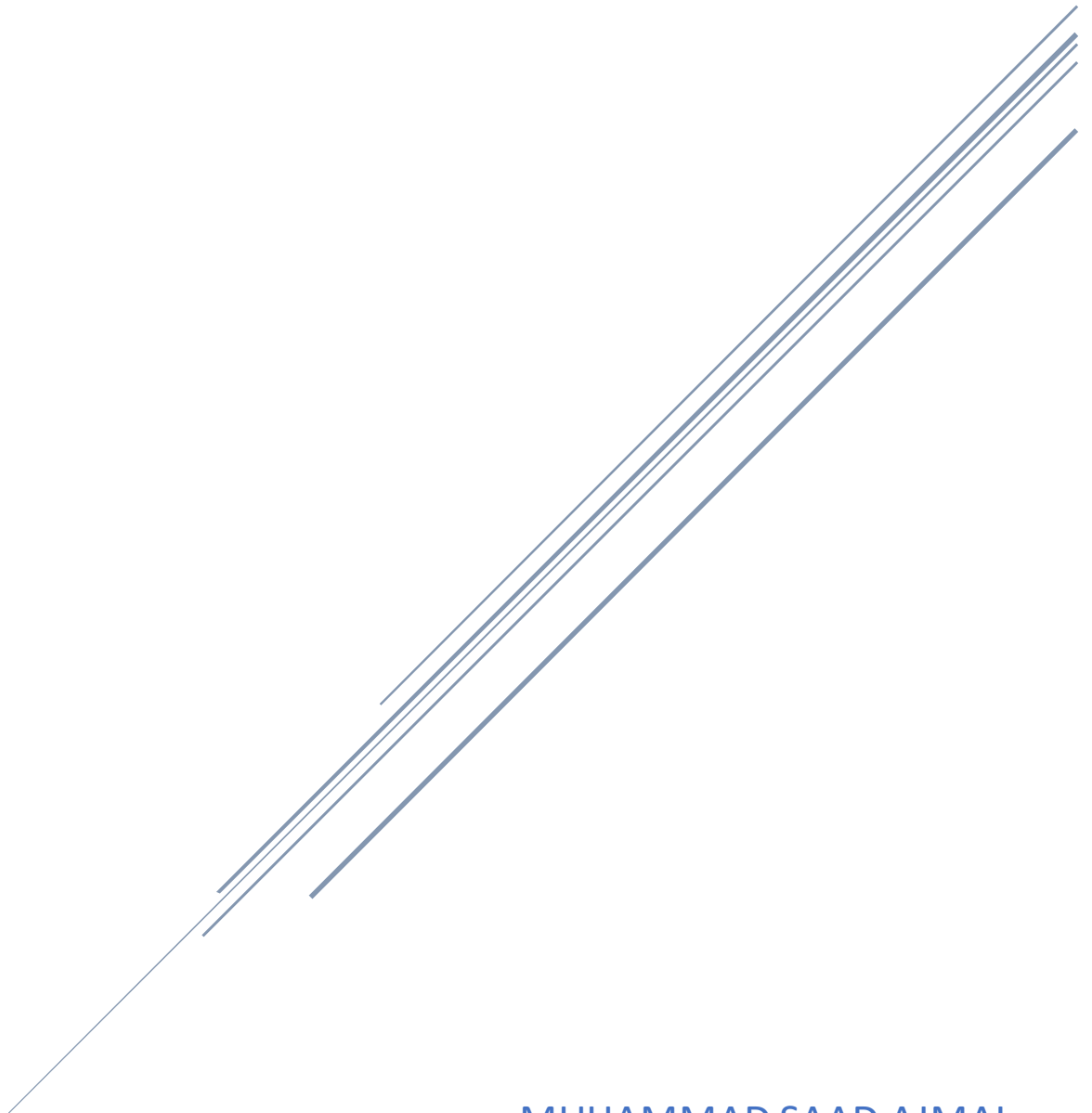


# FUNDAMENTALS OF PROGRAMMING

LAB MANUAL 4 HOME TASKS



MUHAMMAD SAAD AJMAL  
ME-15 SECTION (C) 456490

## QUESTION 1:

```
#include <iostream>

using namespace std;

int main() {

    for (int n = 1; n <= 150; n++) {

        if (n % 10 == 0) {

            continue;

        }

        cout << n << " ";

    }

    return 0;

}
```

Output

Clear

/tmp/w4v68S4Rd1.o

```
1 2 3 4 5 6 7 8 9 11 12 13 14 15 16 17 18 19 21 22 23 24 25 26 27 28 29 31 32 33 34 35 36 37 38 39 41 42 43
 44 45 46 47 48 49 51 52 53 54 55 56 57 58 59 61 62 63 64 65 66 67 68 69 71 72 73 74 75 76 77 78 79 81 82
 83 84 85 86 87 88 89 91 92 93 94 95 96 97 98 99 101 102 103 104 105 106 107 108 109 111 112 113 114 115
 116 117 118 119 121 122 123 124 125 126 127 128 129 131 132 133 134 135 136 137 138 139 141 142 143 144
 145 146 147 148 149
```

## QUESTION 2:

```
#include <iostream>

using namespace std;

int main() {

    int number, digit, sum = 0;

    cout << "Enter any number: ";

    cin >> number;

    while (number > 0) {

        digit = number % 10;

        sum += digit;

        number /= 10;

    }

}
```

```

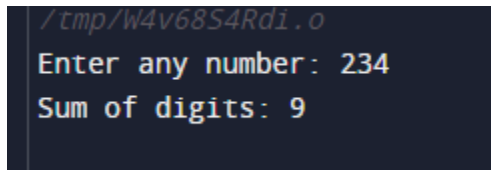
}

cout << "Sum of digits:" << sum << endl;

return 0;

}

```



```

/tmp/W4v68S4Rdi.o
Enter any number: 234
Sum of digits: 9

```

### QUESTION 3:

```

#include <iostream>

using namespace std;

int main() {

    int num, n;

    cout << "Enter any number: ";

    cin >> num;

    for (n = 2; n * n <= num; n++) {

        if (num % n == 0) {

            cout << "Not a prime number" << endl;

            break;

        }

    }

    if (n * n > num) {

        cout << "Prime number" << endl;

        return 0;

    }

}

```

## Output

*/tmp/W4v68S4Rdi.o*

Enter any number: 3435

Not a prime number