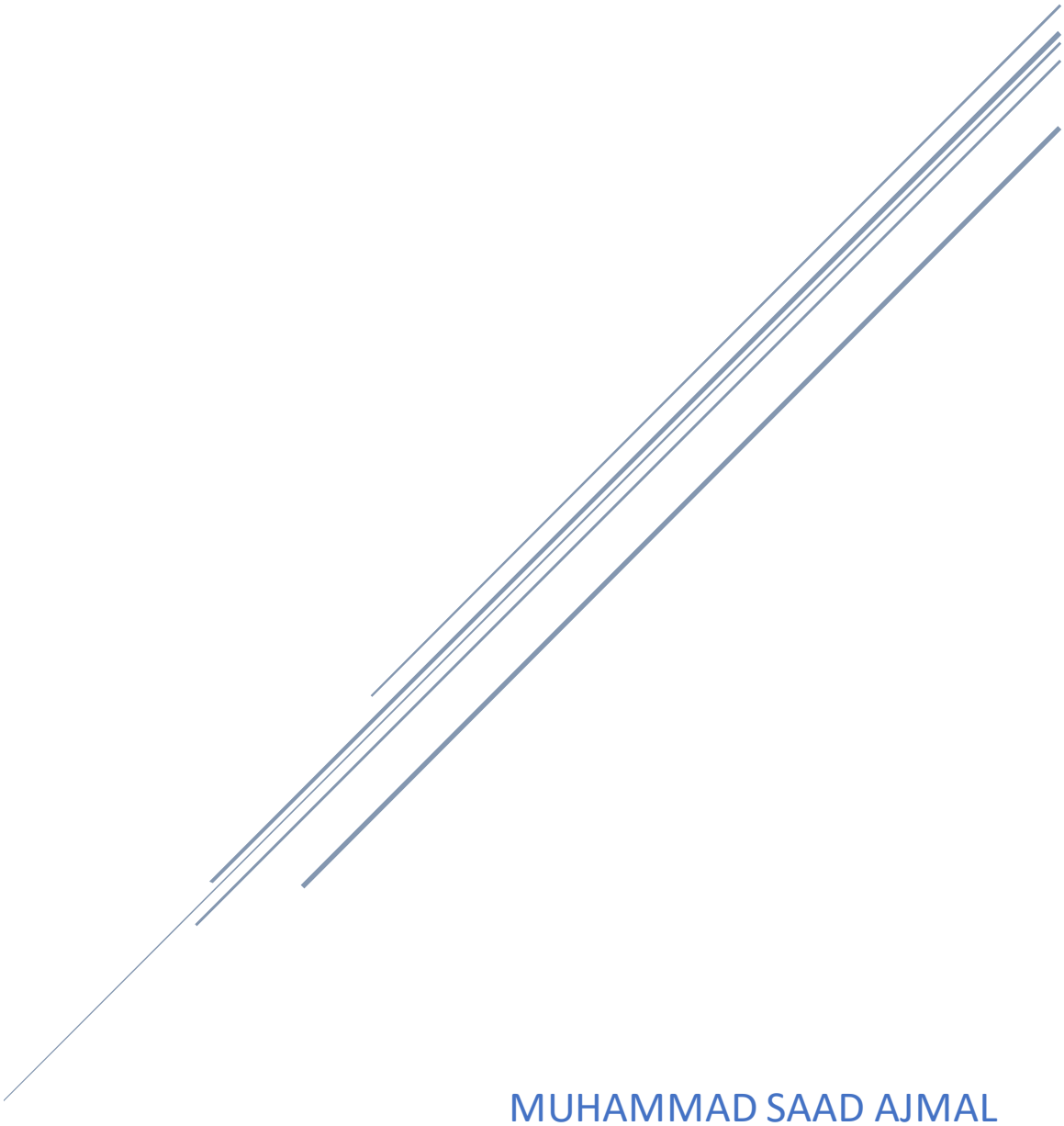
FUNDAMENTALS OF PROGRAMMING

LAB MANUAL 4 HOME TASKS



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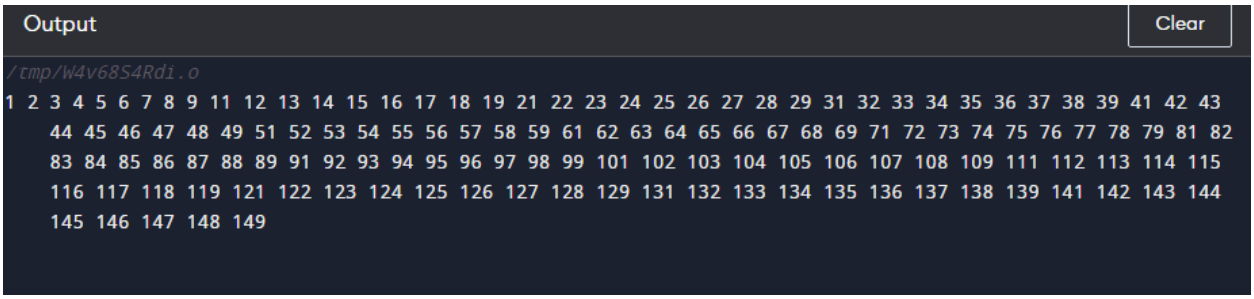
QUESTION 1:

```
#include <iostream>

using namespace std;

int main() {

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

      if (n % 10 == 0) {

         continue;

      }

      cout << n << " ";

   }

   return 0;

}
```



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
```