Practice Programs in C++

Name: Aarya Gawade

UEC No.: UEC2023122

Batch: A2

Code:

```
#include <bits/stdc++.h>
using namespace std;
bool is prime(int n)
bool num_palindrome(int n)
   int orig_n = n, last_dig, rev_num = 0;
       last_dig = n % 10;
```

```
rev_num = rev_num * 10 + last_dig;
   if (rev_num == orig_n)
bool rev_s(int i, string &s)
   if (i \ge s.size() / 2)
    return rev s(i + 1, s);
void cnt dig(int n)
int fib(int n)
int sqrRt(int n)
    return sqrt(n);
```

```
void swapWoTemp(int x, int y)
   x = x - y;
int fact(int n)
void star pyr(int n)
```

```
void num recur(int n)
void num_norec(int n)
            cout << start << " ";
            start++;
int main()
   cout << is prime(7) << endl;</pre>
   cout << num_palindrome(121);</pre>
   cout << rev s(0, s);
      cout << fib(i)<<" ";
```

```
star_pyr(5);
num_norec(4);
cout << sqrRt(4);
swapWoTemp(3, 4);

int sum = 0;
int n = 7;
for(int i = 2; i <= n; i++) {
    if(is_prime(i) == 1) sum += i;
}
cout << sum;
return 0;
}</pre>
```