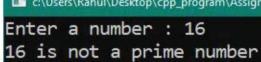
RAHUL KR. MANDAL

ROLL NO: 25

```
prime.cpp Assignment\prime.cpp\@main()
      #include <iostream>
      #include <comio.h>
      using namespace std;
      int main()
      {
          int num, factor = 2;
           cout << "Enter a number : ";</pre>
 10
           cin >> num:
 11
           for (int i = 2; i <= num / 2; i++)
 12
 13
               if (num % i == 0)
 14
 15
                    factor++;
 16
 18
           if (factor == 2)
               cout << num << " is prime a number" << endl;</pre>
 19
 20
           else
               cout << num << " is not prime a number" << endl;</pre>
 21
 22
 23
          getch();
           return 0;
 25
```

c:\Users\Rahul\Desktop\cpp_program\Assignment\prime.exe		×
Enter a number : 13 13 is a prime number		Ê
		~
c:\Users\Rahul\Desktop\cpp_program\Assignment\prime.exe		×



```
palindrome.cpp Assignment\palindrome.cpp\@ main()
    #include <iostream>
     #include <comio.h>
     using namespace std;
     int main()
     {
         int num, temp, lastDigit, sum = 0;
         cout << "Enter a number : ";</pre>
10
         cin >> num;
         temp = num;
12
         while (num > 0)
         {
15
              lastDigit = num % 10;
16
              sum = (sum * 10) + lastDigit;
              num /= 10;
         }
18
19
20
         if (temp == sum)
21
              cout << temp << " is palindrome number" << endl;</pre>
22
         else
              cout << temp << " is not palindrome number" << endl;</pre>
23
25
         getch();
26
         return 0;
27
```

c:\Users\Rahul\Desktop\cpp_program\Assignment\palindrome.exe	(AA)	×
Enter a number : 12321 12321 is palindrome number		•
c:\Users\Rahul\Desktop\cpp_program\Assignment\palindrome.exe	_	×
Enter a number : 12345 12345 is not palindrome number		Î

```
armstrong.cpp Assignment\armstrong.cpp\ (1) main()
    #include <iostream>
    #include <comio.h>
    #include <math.h>
     using namespace std;
    int main()
     {
         int num, temp, lastDigit, sum = 0;
         cout << "Enter a number : ";</pre>
10
11
         cin >> num;
12
         temp = num;
         while (num > 0)
         {
15
16
              lastDigit = num % 10;
              sum = sum + pow(lastDigit, 3);
18
              num /= 10:
20
21
         if (temp == sum)
              cout << temp << " is armstrong number" << endl;</pre>
         else
23
              cout << temp << " is not a armstrong number " << endl;</pre>
25
26
         getch();
27
         return 0;
     }
28
```

	^
	ı
	~
- <u>27-1</u>	

Enter a number : 373 373 is not a armstrong number