**Ahsanullah University of Science and Technology**

**Course Title: Object Oriented Programming Lab**

**Course Number: CSE1206**

**Online: 1 Date: 15 January, 2019 Group: B1 Time: 50 minutes**

**Set- A**

1. Write a program to print Armstrong numbers from 1 to 1000. If sum of cubes of each digit of the number is equal to the number itself, then the number is called an Armstrong number. For example, 153 = (1\*1\*1) + (5\*5\*5) + (3\*3\*3).

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| Sample Output |
| 1 153 370 371 407 |

\*For power you can use Math.pow(n,p) if you want to. Here n is the number and p is the power.

1. Write a Java Program to input a number and check whether it is an Evil Number or not. An Evil number is a positive whole number which has even number of 1’s in its binary equivalent. For example: 15 is an evil number. The binary equivalent of 15 is 1111 which has 4 (even) 1s.

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| Sample Input | Sample Output |
| Enter Number: 23 | Not an Evil number |