

## Practice 21 – SE-DS Miscellaneous

**Task 01:** Generate three random numbers in range 1 to 10. Using loop ensure that all of them are different.

**Task 02:** Compute two random numbers such that second number is multiple of first number. For example 12 is multiple of 4 and 20 is multiple of five.

**Task 03:** Computer two random numbers such that their sum is equal to 50. Count and print the number of times loop has run to ensure that sum of random numbers is 50.

**Task 04:** Generate five capital alphabets at random; none of them should be vowel.

**Task 05:** Generate and print 10 random numbers, each next number should be greater by 2 or 3 from previous number

**Task 06:** Generate and print random number between 1 to 10 in single line, stop if their sum is exactly 50. If sum exceeds 50, start the random number generation process again and print them in next line. Repeat this process, until exact 50 sum found.

**Task 07:** Print following pattern for rows as input:

Rows = 3

```
\
 \
  \
   - -
  /
 /
```

**Task 08:** Print following pattern for rows and columns as input:

Rows = 3

Columns = 3

```
ooo  ooo
  o  o
   o
  o  o
ooo  ooo
```

Rows = 5

Columns = 4

```
oooo  oooo
  o  o
   o  o
  o  o
   o  o
oooo  oooo
```

**Task 09:** Print following pattern for rows as input:

Rows = 5

```
*****
o*****o
oo*****oo
ooo*****ooo
oooo*****oooo
oooo*****oooo
ooo*****ooo
oo*****oo
o*****o
*****
```