**DAILY ONLINE ACTIVITIES SUMMARY**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date:** | **21-07-2020** | | | | **Name:** | | | **Ashwini S Jadamali** | |
| **Sem & Sec** | **6th  Sem ‘A’ Sec** | | | | **USN:** | | | **4AL17CS018** | |
| **Online Test Summary** | | | | | | | | | |
| **Subject** | | **-** | | | | | | | |
| **Max. Marks** | | **-** | | | | | **Score** | **-** | |
| **Pre-Placement Training Summary** | | | | | | | | | |
| **Course** |  | | | | | | | | |
| **Faculty** | | |  | | | **Duration** | | |  |
| **Coding Challenges** | | | | | | | | | |
| Problem Statement: 1. Python program to Magic Square | | | | | | | | | |
| **Status: done** | | | | | | | | | |
| **Uploaded the report in Github** | | | | **Yes** | | | | | |
| **If yes Repository name** | | | | Daily Report =  **https://github.com/ashwinijadamali/online-coding-activites** | | | | | |
| **Uploaded the report in slack** | | | | **Yes** | | | | | |

## Coding Challenge:

# 1. Python program to Magic Square

## def generateSquare(n):

## # 2-D array with all

## # slots set to 0

## magicSquare = [[0 for x in range(n)]

## for y in range(n)]

## 

## i = n / 2

## j = n - 1

## num = 1

## while num <= (n \* n):

## if i == -1 and j == n: # 3rd condition

## j = n - 2

## i = 0

## else:

## if j == n:

## j = 0

## 

## 

## if i < 0:

## i = n - 1

## 

## if magicSquare[int(i)][int(j)]:

## j = j - 2

## i = i + 1

## continue

## else:

## magicSquare[int(i)][int(j)] = num

## num = num + 1

## 

## j = j + 1

## i = i - 1

## 

## print ("Magic Squre for n =", n)

## print ("Sum of each row or column",

## n \* (n \* n + 1) / 2, "\n")

## 

## for i in range(0, n):

## for j in range(0, n):

## print('%2d ' % (magicSquare[i][j]),

## end = '')

## 

## 

## if j == n - 1:

## print()

## 

## n = 7

## generateSquare(n)

## output:

## 