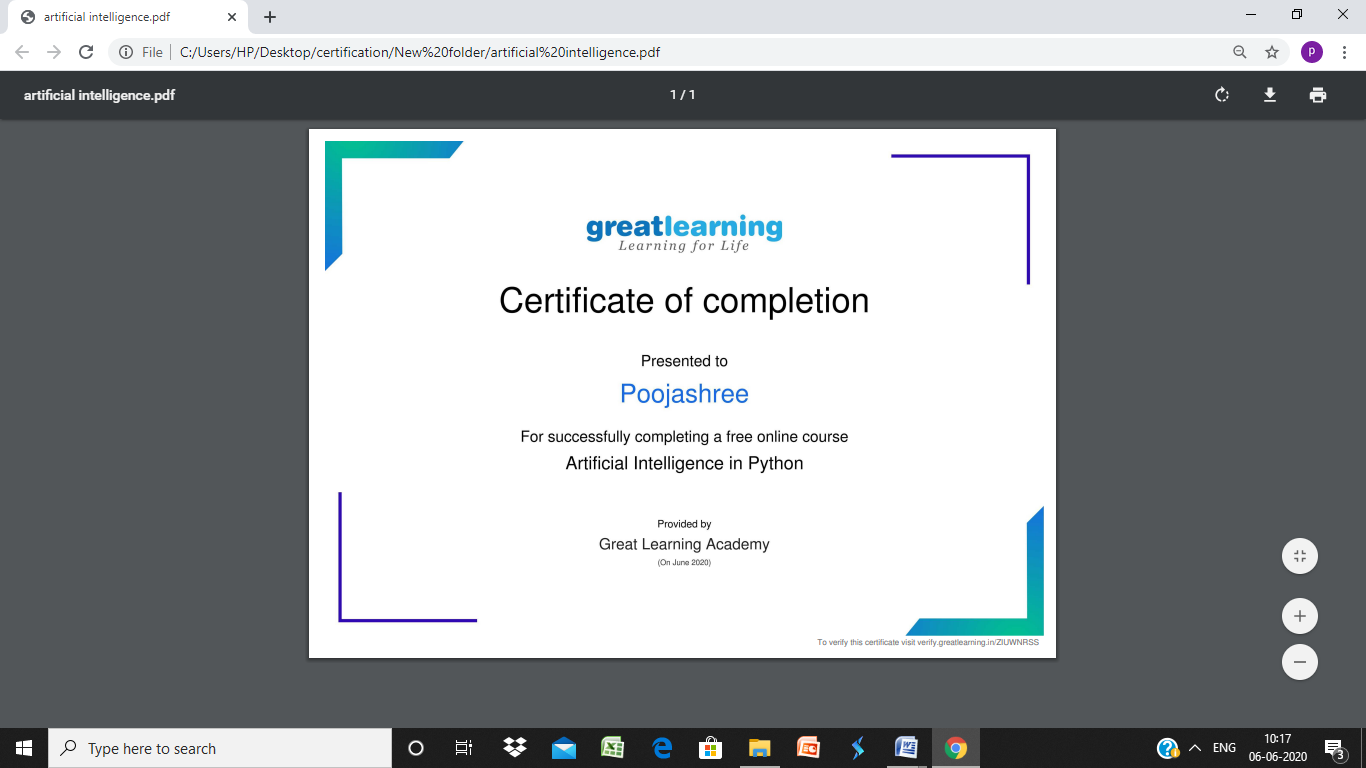
**DAILY ONLINE ACTIVITIES SUMMARY**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date:** | **7-6-2020** | | | | | **Name:** | **poojashree** | |
| **Sem & Sec** | **8th sem A sec** | | | | | **USN:** | **4al16cs065** | |
| **Online Test Summary** | | | | | | | | |
| **Subject** | |  | | | | | | |
| **Max. Marks** | |  | | **Score** | | |  | |
| **Certification Course Summary** | | | | | | | | |
| **Course** | **Artificial intelligence** | | | | | | | |
| **Certificate Provider** | | | **Great learning academy** | | **Duration** | | | **7hr** |
| **Coding Challenges** | | | | | | | | |
| **Problem Statement:**  1.**C program – solid diamond pattern printing using stars**  **2. C program – hollow diamond pattern printing using stars** | | | | | | | | |
| **Status:completed** | | | | | | | | |
| **Uploaded the report in Github** | | | | | **yes** | | | |
| **If yes Repository name** | | | | | **Poojashree** | | | |
| **Uploaded the report in slack** | | | | | **yes** | | | |

**Online test**

------------not conducted-------------

**Certification course**

****

**Coding**

**Program 1**

**/\* C program – solid diamond pattern printing using stars \*/**

**#include <stdio.h>**

**int main()**

**{**

**int n, c, k, space = 1;**

**printf(“Enter the number of rows\n”);**

**scanf(“%d”, &n);**

**space = n – 1;**

**for (k = 1; k <= n; k++)**

**{**

**for (c = 1; c <= space; c++)**

**printf(” “);**

**space–;**

**for (c = 1; c <= 2\*k-1; c++)**

**printf(“\*”);**

**printf(“\n”);**

**}**

**space = 1;**

**for (k = 1; k <= n – 1; k++)**

**{**

**for (c = 1; c <= space; c++)**

**printf(” “);**

**space++;**

**for (c = 1 ; c <= 2\*(n-k)-1; c++)**

**printf(“\*”);**

**printf(“\n”);**

**}**

**return 0;**

**}**

**Program 2**

**/\* C program – hollow diamond pattern printing using stars \*/**

**#include <stdio.h>**

**int main()**

**{**

**int i, j, space, k = 0, n;**

**printf(“\nEnter the number of rows : “);**

**scanf(“%d”,&n);**

**for (i = 1; i <= n; i++)**

**{**

**for (j = 1; j <= n – i; j++)**

**{**

**printf(” “);**

**}**

**while (k != (2 \* i – 1))**

**{**

**if (k == 0 or k == 2 \* i – 2)**

**printf(“\*”);**

**else**

**printf(” “);**

**k++;**

**}**

**k = 0;**

**printf(“\n”);**

**}**

**n–;**

**for (i = n; i >= 1; i–)**

**{**

**for (j = 0; j <= n – i; j++)**

**{**

**printf(” “);**

**}**

**k = 0;**

**while (k != (2 \* i – 1))**

**{**

**if (k == 0 or k == 2 \* i – 2)**

**printf(“\*”);**

**else**

**printf(” “);**

**k++;**

**}**

**printf(“\n”);**

**}**

**}**