DAILY ONLINE ACTIVITIES SUMMARY

Date:	**01-06-2020**	**Name:**	**Manikya K**
Sem & Sec	**8th,A**	**USN:**	**4AL16CS050**

Online Test Summary

Subject	**SMS**		
Max. Marks	**60**	**Score**	**60**

Certification Course Summary

Course	**1) Introduction to ethical hacking** **2) Introduction to cyber security**		
Certificate Provider	**Great learner academy**	**Duration**	**Ethical hacking - 6 Hrs** **Cyber Security - 7 Hrs**

Coding Challenges

Problem Statement: C prog to print the no in this series

```
1
1 2 1
1 2 3 2 1
1 2 3 4 3 2 1
```

Status: Solved

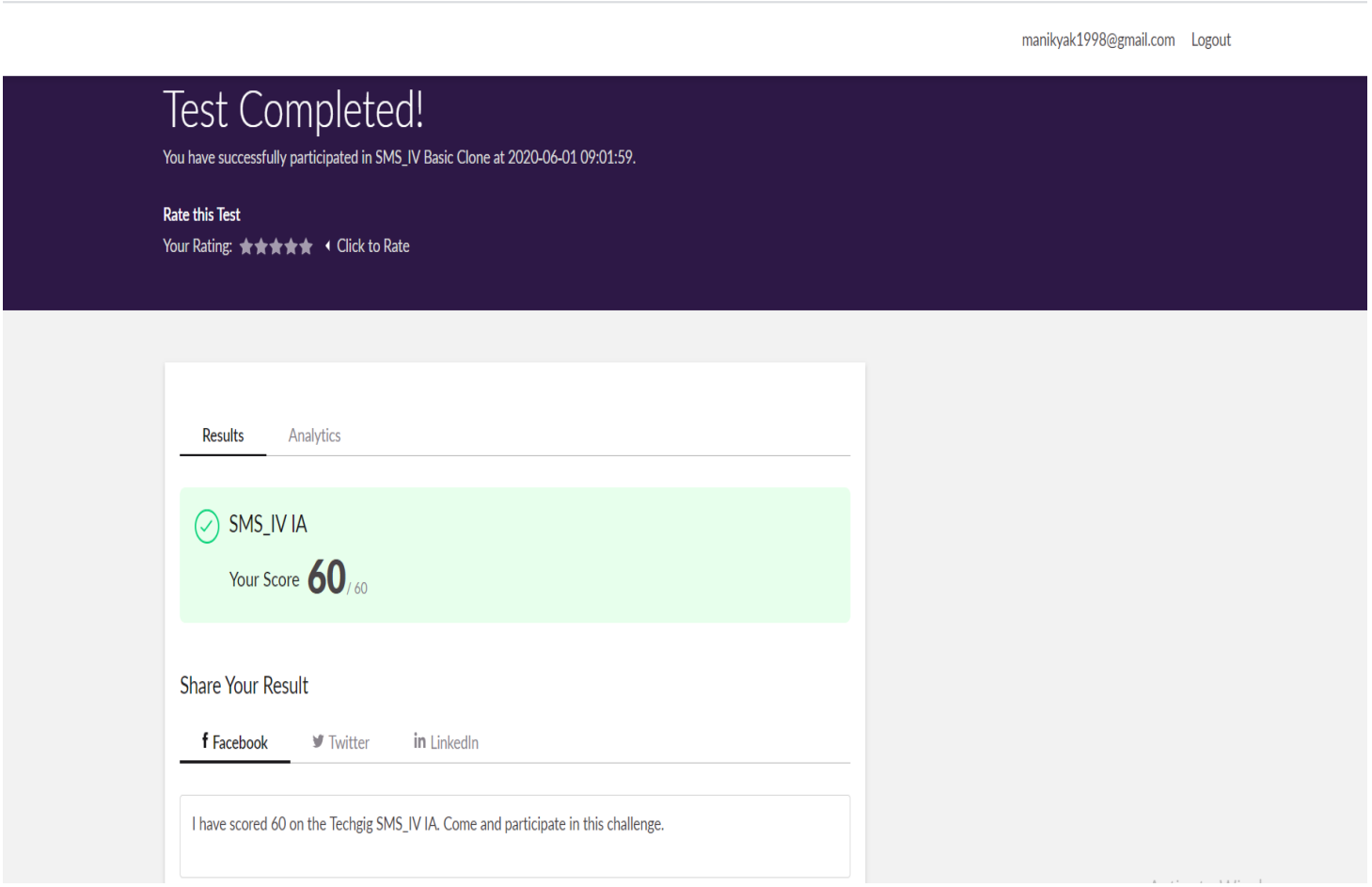
Uploaded the report in Github	**Yes**
If yes Repository name	**manikya-20**
Uploaded the report in slack	**Yes**

Online Test Details: (Attach the snapshot and briefly write the report for the same)

Certification Course Details: (Attach the snapshot and briefly write the report for the same)

Coding Challenges Details: (Attach the snapshot and briefly write the report for the same

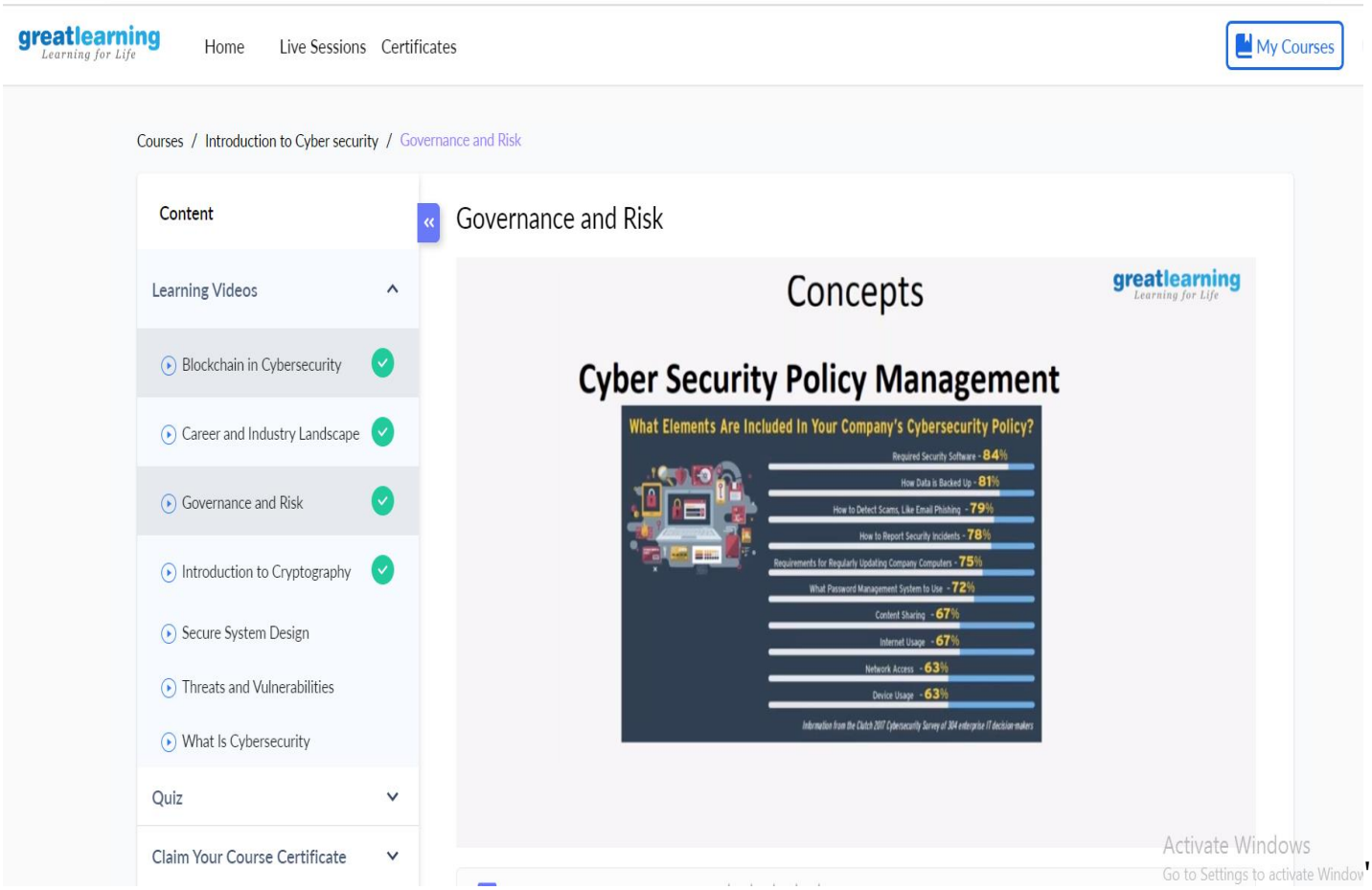
1) Online Test Details:



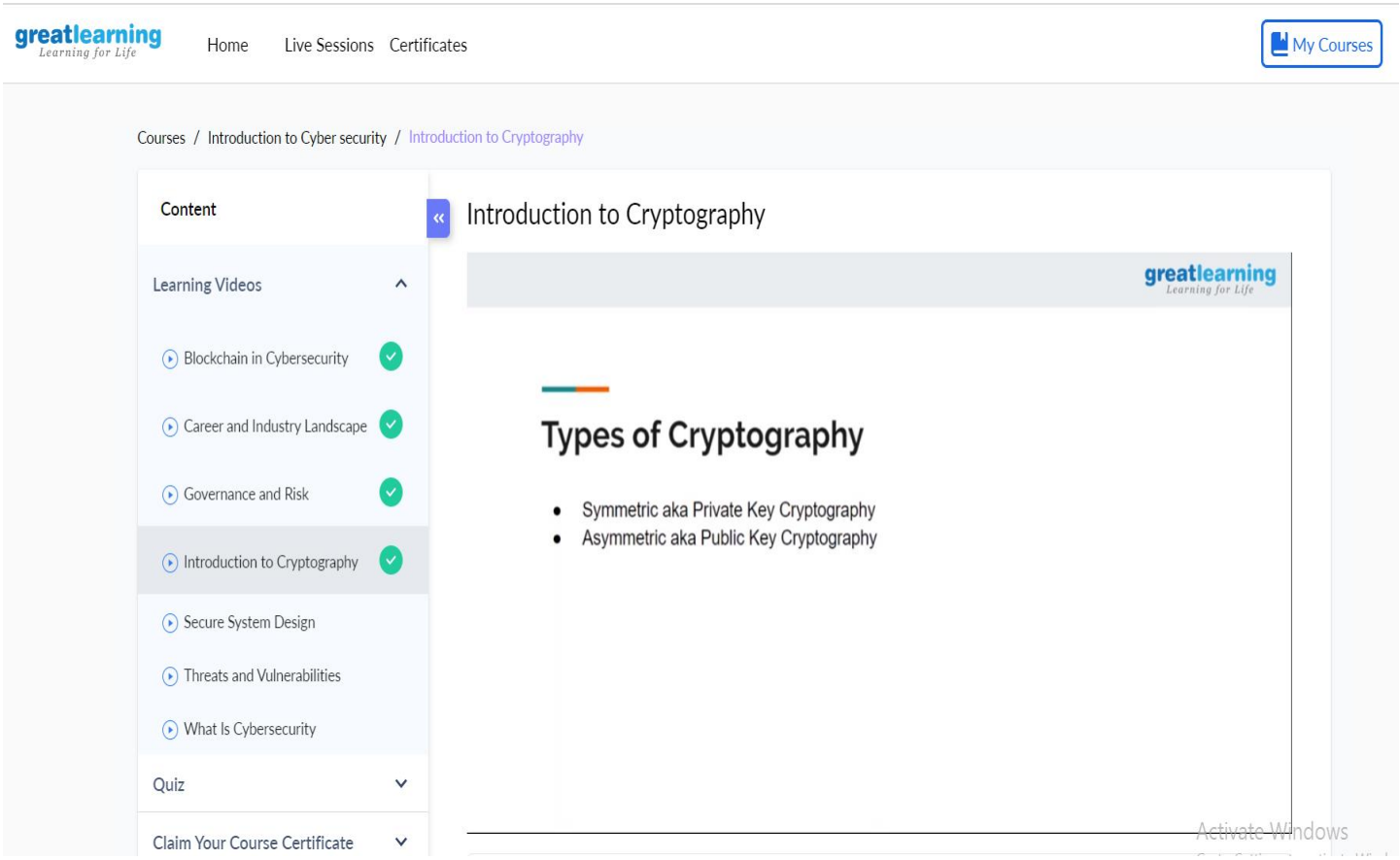
2) Certification Course Details:

A) Introdution to ethical hacking:

B) Introduction to Cyber Security:



An information security policy (ISP) is a set of rules that guide individuals who work with IT assets. Your company can create an information security policy to ensure your employees and other users follow security protocols and procedures. An updated and current security policy ensures that sensitive information can only be accessed by authorized users.



Symmetric Key Cryptography – This is also termed as Private or Secret key cryptography. Here, both the information receiver and the sender make use of a single key to encrypt and decrypt the message. The frequent kind of cryptography used in this method is AES (Advanced Encryption System).

Asymmetric Key Cryptography- This is also termed as Public-key cryptography. It follows a varied and protected method in the transmission of information. Using a couple of keys, both the sender and receiver go with encryption and decryption processes. A private key is stored with each person and the public key is shared across the network so that a message can be transmitted through public keys. The frequent kind of cryptography used in this method is RSA. The public key method is more secure than that of a private key.

3) Coding Challenges:

```
#include<conio.h>
#include<stdio.h>
void main()
{
int i,j,k,before=0,array[10][10];
clrscr();
for(i=1;i<=5;i++)
{
for(j=1;j<=(2*i);j++)
{
if(j<=i)
{
array[i][j]=before+1;
before++;
}
else
{
array[i][j]=before-1;
before--;
}
}
before=0;
}
for(i=1;i<=5;i++)
{
for(j=1;j<=((2*i)-1);j++)
{
printf("%d",array[i][j]);
printf("\t");
}
printf("\n");
}
getch();
}
```