DAILY ONLINE ACTIVITIES SUMMARY

Date:	**16-06-2020**	**Name:**	**Nayan. P. Joshi**
Sem & Sec	**8th Sem A**	**USN:**	**4AL16CS058**

Online Test Summary

Subject	**BDA**		
Max. Marks	**30**	**Score**	**24**

Certification Course Summary

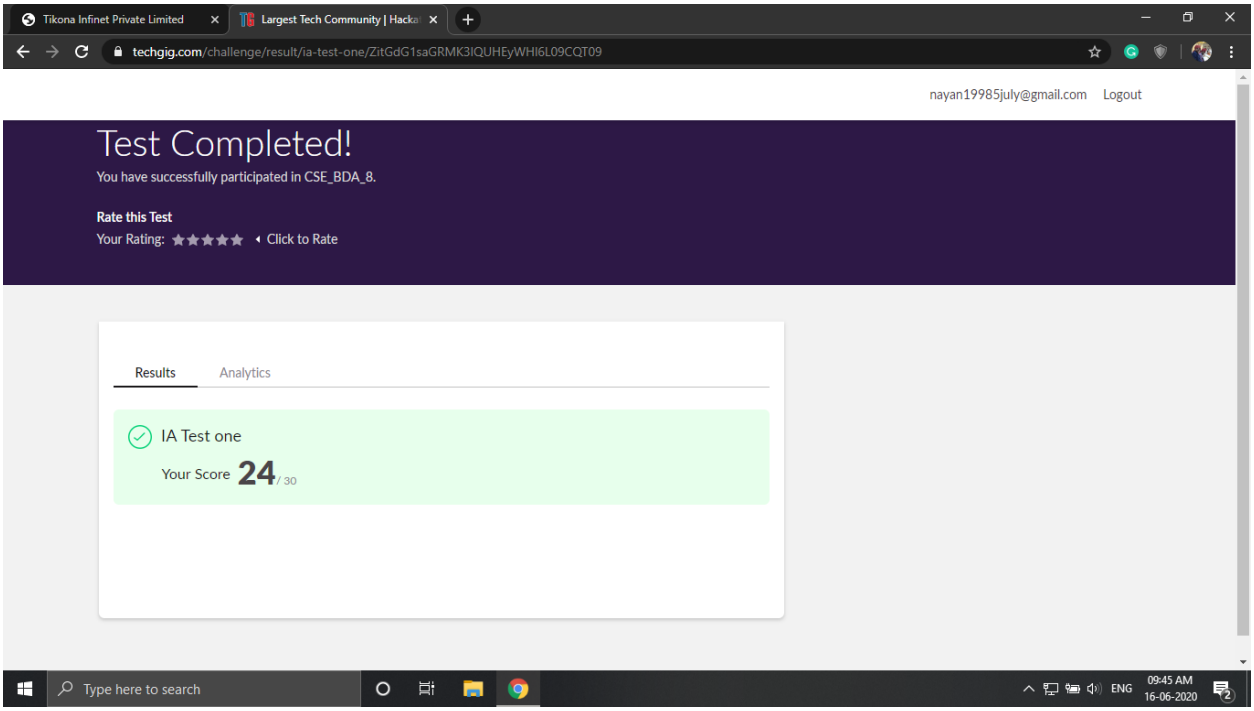
Course	**Introduction to Ethical Hacking**		
Certificate Provider	**Great learning academy**	**Duration**	**8hrs**

Coding Challenges

Problem Statement: Write a C Program for Matrix Multiplication

Status: Solved

Uploaded the report in GitHub	**yes**
If yes Repository name	**nayan1998**
Uploaded the report in slack	**yes**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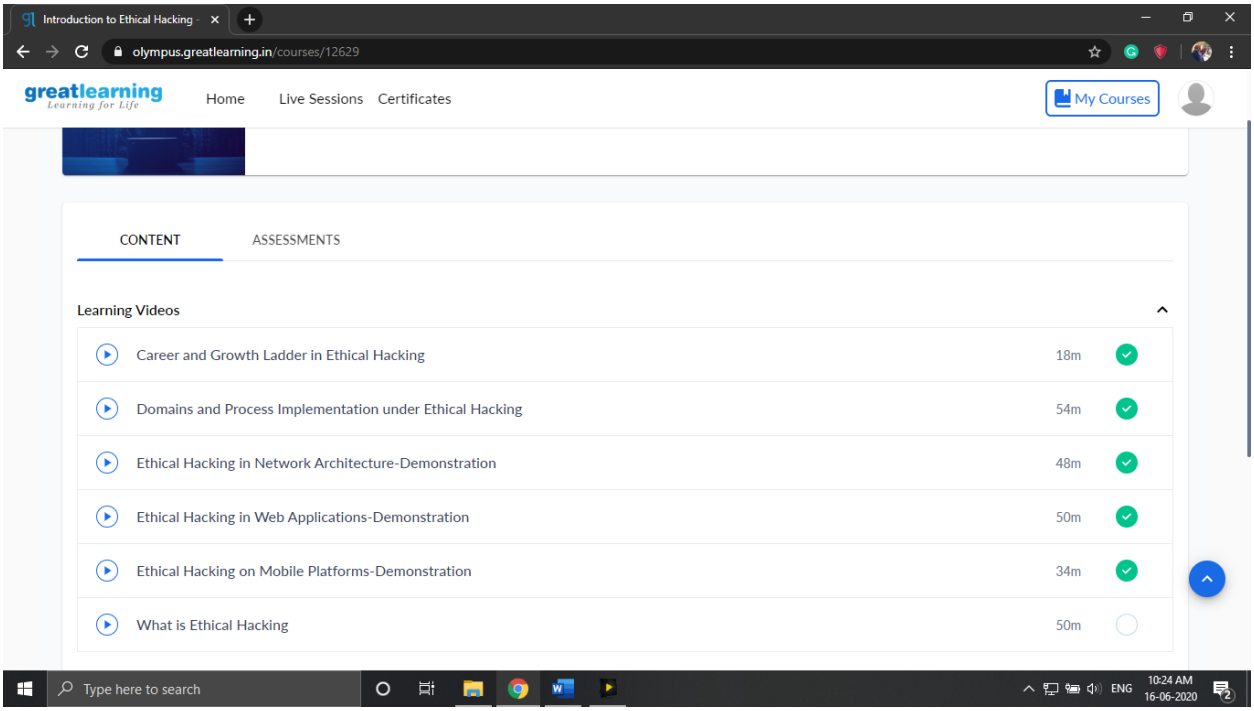
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Write a C Program for Matrix Multiplication

```
#include <stdio.h>

int main()
{
  int m, n, p, q, c, d, k, sum = 0;
  int first[10][10], second[10][10], multiply[10][10];

  printf("Enter the number of rows and columns of first
matrix\n");
  scanf("%d%d", &m, &n);
  printf("Enter the elements of first matrix\n");

  for (  c = 0 ; c < m ; c++ )
    for ( d = 0 ; d < n ; d++ )
      scanf("%d", &first[c][d]);

  printf("Enter the number of rows and columns of second
matrix\n");
  scanf("%d%d", &p, &q);

  if ( n != p )
    printf("Matrices with entered orders can't be multiplied
with each other.\n");
  else
  {
```

```
printf("Enter the elements of second matrix\n");

for ( c = 0 ; c < p ; c++ )
  for ( d = 0 ; d < q ; d++ )
    scanf("%d", &second[c][d]);

for ( c = 0 ; c < m ; c++ )
{
  for ( d = 0 ; d < q ; d++ )
  {
    for ( k = 0 ; k < p ; k++ )
    {
      sum = sum + first[c][k]*second[k][d];
    }

    multiply[c][d] = sum;
    sum = 0;
  }
}

printf("Product of entered matrices:-\n");

for ( c = 0 ; c < m ; c++ )
{
  for ( d = 0 ; d < q ; d++ )
    printf("%d\t", multiply[c][d]);

  printf("\n");
```

```
    }
  }

  return 0;
}
```