

Answer sheet # \_\_\_\_\_



**NATIONAL UNIVERSITY OF MODERN LANGUAGES, ISLAMABAD**  
Department of Computer science  
End Term Examination Fall 2020

Roll No:	2448	Class/ Section:	-
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Course Title:	Programming Fundamental	Campus:	Main
Course Code:		Class/ Section:	-

**Instructions:**

- (1) Be mindful of time. Try to finish your answers within prescribed time. Upload your answers within 15 minutes after the paper time.
- (2) Honestly observe all online examination protocols with your cameras on.
- (3) If you upload hand-written answer scripts, write legibly on A4-sheets so that teachers can conveniently read and grade your papers.
- (4) Be precise and relevant in your answers.

Q1  
1)

A. int i;

B int temp = list[i+4];

C list[i+4] = list[i];

D list[i] = Temp;

2)

Output.

Enter number of rows: 5

```
★
★ ★
★   ★
★     ★
★       ★
★*****★
```

Q2 = Write a program that uses two arrays to store the marks and roll no. of the students. It inputs and roll numbers and marks of five students and store them in corresponding elements of the arrays. The program finally display the roll number and marks of student with highest marks.

```
#include <iostream>
```

```
using namespace std;
```

```
int main ()
```

```
{  
    int no [5], roll [5];
```

```
    For (int i=0; i<4; i++)
```

```
    {  
        cout << "enter Roll no" << endl;
```

```
        cin >> roll [i];
```

```
        cout << "enter marks" << endl;
```

```
        cin >> no[i];
```

```
    }
```

```
    int max = no[0];
```

```
    For (int j=0; j<4; j++)
```

```
    {  
        if (max < no[j+1])
```

```
        {  
            max = no[j+1];
```

```
        cout << "The roll no of student whose number are  
            max is " << roll[j];
```

```
        cout << "The Maximum number are " << no[j];
```

```
    }
```

```
    return 0;
```

```
}
```

```
}
```

Q3:- Write a program that input a number in main() function and pass it to a function. The function display whether number is prime or not.

```
#include <iostream>
#include <conio.h>
using namespace std;
void check (int n)
{
    int c=0, i;
    for (i=2; i<n; i++)
    {
        if (n%i==0)
            c=1;
    }
    if (c==0)
        cout << "The Number is prime";
    else
        cout << "The Number is not prime";
}
void main ()
{
    int n;
    cout << "Enter a number";
    cin >> n;
    check (n);
}
```