

Name: _____

Roll No: _____



**National University of Computer and Emerging
Sciences, Lahore Campus**

Programming Fundamentals

QUIZ 3 (Version A)

Section: BSE-1A

Date: 17 October 2022

Q1: Write the Output of the following code:

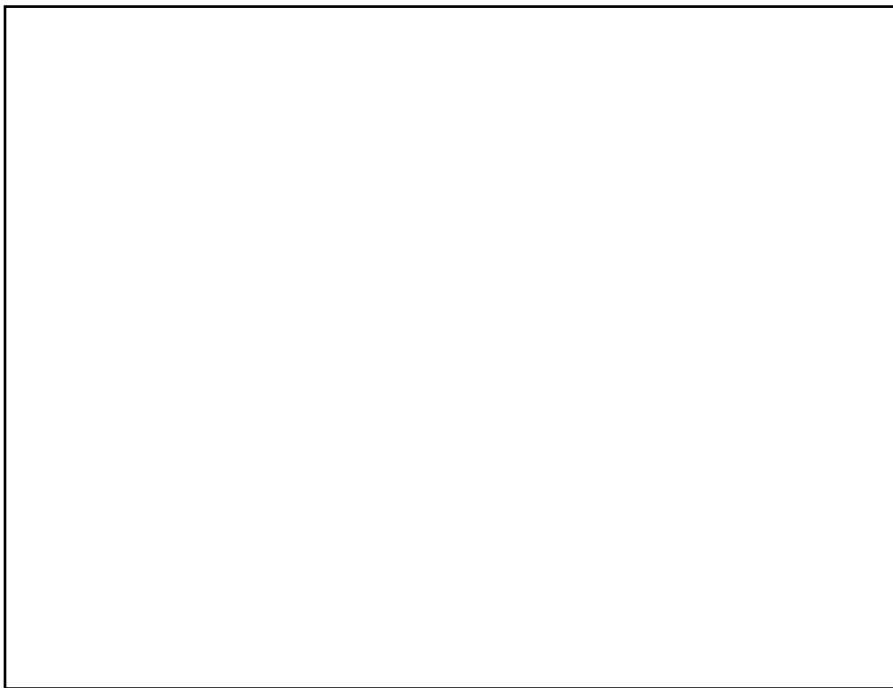
```
#include <iostream>
using namespace std;
int main()
{
    int num1=7, ctr = 0;
    for (int n = num1 - 1; n >= 1; n--)
    {
        cout << n << endl;
        for (int m = 2; m < n; m++)
        {
            cout << m << endl;
            if (n % m == 0)
                ctr++;
        }
        if (ctr == 0)
        {
            if (n == 1)
            {
                cout << "no number";
                break;
            }
            cout << n << " is the number before " << num1 << endl;
            break;
        }
        ctr = 0;
    }
}
```

Q2: Write the Output of the following code:

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```
#include <iostream>
using namespace std;
int main()
{
    int amount = 0;
    cout << " ";
    for (int i = 1; i <= 2; i++)
    {
        cout << i << endl;
        for (int j = 1; j <= 2; j++)
        {
            cout << j << endl;
            for (int k = 1; k <= 3; k++)
            {
                cout << k << endl;
                if (k != i && k != j && i != j)
                {
                    amount++;
                    cout << i << j << k << " ";
                }
            }
        }
    }
    cout << endl << " Total number: " << amount << endl << endl;
}
```



Q3: Write the Output of the following code:



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```
#include <iostream>
using namespace std;
int fun(int x, int y) {
    int result;
    result = 0;
    while (y != 0)
    {
        cout << y << endl;
        result = result + x;
        y = y - 1;
    }
    return result;
}
int main() {
    int x = 3, y = 3;
    cout<< fun(x, y);
}
```