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| **National University of Computer and Emerging Sciences, Lahore Campus** | | | | |
| C:\Users\saif\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\final design.jpg | **Course:** | **PF Lab** | **Course Code:** | **CL 118** |
| **Program:** | **BS (Computer Science)** | **Semester:** | **Fall 2018** |
| **Duration:** | **30 Minutes** | **Total Marks:** | **15** |
| **Paper Date:** | **18-Oct-18** | **Weight** | **5 %** |
| **Section:** | **A & B** | **Page(s):** | **1** |
| **Exam:** | **Quiz 1** | **Reg. No.** |  |
| **Instruction/Notes:** | Honesty always gives fruit and Dishonesty is always harmful. | | | |

**Question#1- Write the output [5 marks]**

|  |
| --- |
| **Output:**  96  6 4  10 24  34 4 |

**int secret(int a, int b)** {

int d;

d = a + b;

b = a \* d;

return b;

}

**void func (int x, int& y)** {

int val1, val2;

val1 = x + y;

val2 = x \* y;

y = val1 + val2;

cout << val1 << " " << val2 << endl;

}

int **main**() {

int num1, num2;

num1 = 6; num2=10;

cout << secret(num1, num2) << endl;

num2 = num2 - num1;

cout << num1 << " " << num2 << endl;

func(num2, num1);

cout << num1 << " " << num2 << endl;

return 0;

}

**Question#2 [10 marks]**

void **resverse\_Array**(int arr [ ], int size), Implement the function reverse\_Array. Don’t print the array. Take care of even and odd size. Only function implementation is required. Don’t declare any new array.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 4 | 5 | 2 | 1 | 9 |

**Reverse is**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 9 | 1 | 2 | 5 | 4 |

**Solution:**

**void resverse\_Array**(int arr [ ], int size){

for(int i=0; i<size/2; i++)

{

swap(arr([i],arr[size-i-1]);

}

}