Fundamentals of Programming

Name: Syed Asad Raza Zaidi

Section: ME-15A

Roll no: 464239

Task1:

```
// Write a program that adds only prime numbers form 1 to 50 using break or switch

int sum=0;
cout<<"Prime numbers from 1 to 50 : "<<end1;

for (int num = 2; num <= 50; ++num) {
    int P = 1; // Prime

    for (int i = 2; i < num; ++i) {
        if (num % i == 0) {
            Peess any key to continue . . . |

            Press any key to continue . . . |

if (P==1) { // If 1 is not changed to 0, num is prime.
            cout << num << " ";
            sum=sum+num;
        }
    }

cout<<"\nThe sum of prime numbers is: "<<sum;
    return 0;
}
```

Task2:

Task3:

```
for (int r = 1; r<=4; r++) {
    for (int c = 0; c < r; c++) {
        if(r==1)
            cout <<(2*r)-1;
        else
        cout<<(2*r)-2<<" ";
    }
    cout << endl;
}
return 0;
}</pre>
```