

# DSA Tutorial session 1

**Udeesha Prabhashana Jayaweera**

**211091**

**Q1.**

```
begin
    new_array[n]
    num value,
    for value=0 to (n-1)
        display(new array[value])
    end for
end
```

a)

```
begin
    new_array[n]
    num value,
    for value=0 to (n-1)
        num sum= sum + new_array[value]
    end for
    num average= sum/n
end
```

**Q2.**

i)

```
begin
    array_sub1={67,75,87,65,55,78,87,95,56,83}
end
```

ii)

```
begin
    num x
    array_sub1[10]={67,75,87,65,55,78,87,95,56,83}
    for x=0 to 9
```

```

        num sum=sum + array_sub1[x]
    end for
    num average=sum/10
end

iii)
begin
    num arraymarks[10][3]= { {1213,67,98},{1345,75,45},{1654,87,25},{1567,65,87},
                               {1432,55,92},{1256,78,45},{1347,87,34},{1298,95,78},
                               {1467,56,82},{1389,83,73} }
    for num value=0 to 9
        display(index: arraynum[value][0] subject 1: arraynum[value][1]
               subject 2:arraynum[value][2]
    end for
end

```