```
# functions
```



function is a tool in programming that helps you nelactor / segregate the code.

Problem: - * Take salary of n employees in input

* Add 10% increment

* find the average salvary of all emps.

* Brint individual emp solarly after inc

(SV malni) {

scanner _ 3 ems.

sall sall sall - II

newsall newsall newsall - Increment

avg

3

A function contains a piece of code specific to a task

syntax:

- * function calling
- * function definition

: will always return

Pen main () {

scanner --- | Input

---- |

Increme

```
Point salaries of each emp ] Point
function

(1 50 lines)

def

(1 50 lines)

contains the code suesponsible for finding average
cum

Act

11 Co lines

2
                   salony Inc (); ) function call
                    findsalony Ag (); - function call
                    printsolories ();
                                         > function call
```

Geekster

netumType function Name (panameters/anguments) {

3

```
Parameter is extend variables that are used in the definition of the end of the book Navi
```

neturnType is the type of value that function sections

Noted: for deep neturns nothing

int: for def neturns integer

character

character

boolean

staring: " " " staring

* A function definition either returns integer , charcter, string etc on nothing,

argument Geekster int salary Inc (int sal) & int newsal = sal + sal/10; netum newsal; psv main () { -> Sal: 10 Scanner : only 4 parameter tha is integer parameter

* salwy Inc function will have int setumly since it will setum the new incommented salwy because e this for has to tell main salwy because e this for has to tell main for that the new inc salwy is 110.

* Main In has to pass the oxiginal salary in parameter to tell salary Inc In

```
Working Example
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```
Geekster
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```
public class Main &
```

function definition of salary Inc salary Inc static int salary In (int sal) {

int newsal = sal + sal/10;

return newsal;
}

public static void main (storing [] angs) {

sommen sc = new scamer (su--);

int sal = sc.next Int();

calling salarying function

e [int inesal = salary Inc (sal);
sout (inesal);

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