int a = scurrent Ite(); //a = 50 int b = son.next Int(): (/b = 45)Output  $\rightarrow \text{Hi}$ if (a > b)? (/50 > 45) (town) -> S.O.P ("H"); Input 2 -> 60 elve { Output -> Bye S.O.P ("Bye"); Example Imput

Example Output

Text Case >

Inputs for which you know the correct output and you use them to check whether your code is correct or not-

sun on ide very by giving the input and check with the outpet.

Dry nur ?

Take a text care

Rem your code using pen and paper

duel. Read units commend and calculate electricity charges. [per unit] [1 Rupee] 1 - 50 for first 50 units charge is → 51-150 fou next 100 units charge is -[a Rupeer] 151-250 fou next (00 mits charge is >> [3 Rupeus] 251 and Arything above 250 units will be charged > [5 Rupers] Calculate the bill amount? A = 40 cost -> 40/first 50 cunits → 50Al = 50/-51-70 [20 units] → 20 +2 = 40/-90 \_  $A = F_0$ → <del>140 [70 \* 2]</del> → 90

$$A = 120$$
  $\Rightarrow$  first 50 units  $\Rightarrow$  50 #1 = 50/-
51-120 (70 units)  $\Rightarrow$  70 #2 = 140/-
190/-

$$A = 200$$
  $\longrightarrow$  first 50 units  $\rightarrow$  50 %  $I \rightarrow$  50/-
51-150 [100 units]  $\rightarrow$  100  $+2 \rightarrow$  200/-
151-200 [50 units]  $\rightarrow$  50  $+3 \rightarrow$  150/-
400/-

$$A = 260$$
  $\longrightarrow$  first 50 units  $\rightarrow$  50 %1  $\rightarrow$  50/-
51-150 (100 units)  $\rightarrow$  100 %2  $\rightarrow$  200/-
151-250 (100 units)  $\rightarrow$  100 %3  $\rightarrow$  300/-
251-260 [10 units]  $\rightarrow$  10 %5  $\rightarrow$  50/-
600/-

Slabs	Examples	Amount	
$\begin{bmatrix} 1 - 50 \end{bmatrix}$ $A < = 50$	$A = 25 \Rightarrow 25/-$ $A = 45 \Rightarrow 45/-$	A * 1 => A	
[51 - 150]	A = 75 1-50 => 50/-		
A>50 22 A = 150	4-50 = 307 $51-75 = 50/-$ (25 units)	50 *1 + (A-50) *2	
	[75-50]	=> 50+2*A -100	
	50*1 + 25*2 = 100/-		
		=> 2×A -50	
	A = 100		
	4 1-50 → 50/-		
	51-100 → 100/- (50 mits)		
	50 *1 + 50 *2 = 150/-		
[[00-50]			

Ľ

$$(50 + 1) + (100 + 2)$$
=  $250/-$ 

## Examples

$$A = 200$$

$$1 - 50 \Rightarrow 50 \text{ units}$$

$$51 - 150 \Rightarrow 100 \text{ units}$$

$$[51 - 200 \Rightarrow 50 \text{ units}]$$

$$(50 + 1) + (100 + 2) + (50 + 3) = 3 + A - 200$$
  
=)  $[50 + 200] + 150$   
=)  $[400] -$ 

$$250/-+20*3$$
=)  $250+60$  =)  $310/-$ 

## Amount

Slabs	Examples	Amount
25) and above	A = 270	
		550+ (A-250)+5
A> 250	1-50 → 50 units	
	51-150 → 100 units	=>550+5*A-1250
	151-250 -> 100 units	
[1-250]	251-270 -> 20 units	=> 5*A - 700
first 250 units	(A-250)	
50+ 200+300	50 *1 + 100 #2 + 100 #3 + 20 #5	
=) 550/-	=) (50 + 200 + 300) + 100	
	=) 650/-	

## Nexted If Eve

```
int
    a=10, b=15;
     10>8 (true)
    S.O.P ("Hi");
         S. O.P ( "Bye");
    S.D.P ("Good Rye");
```

R

```
int a = 10, b = 15;
       10>8 true
         false false
if (a = = b | b < a) {
                  S.O. Plu ("Hi");
               -> S. O. Plu ("Bye");
         S.D.P ("Got it");
```

if (true) (§) if (true) { if (false) {
S.O.P. In ("Hey Hucre"); No Output S. O. Plu ("Hello");

elre { S.O.Phr (10/0);

Categorise a Number Positive and Even Positive and Odd 2 Negative and Even 3 Negative and Odd 4 Positive and Every N = 24 Positive and odd N = 57if (N>0) { N = 67 Positive and Odd -> S.O.P ("Positive and"); ( N % 2 ==0) & (false) // even S. O. P (" Even");

else { //oda S.O.P ("Odd") N= -90 else \$ Negative and Even S.O.P ("Negative and"); > if (N % 2 ==0) { // even S.O.P ("Even"); S.O.P ("Odd") 2

## Scope of Variable?

main () (
$$\frac{2}{5}$$
)

main () ( $\frac{2}{5}$ )

main () ( $\frac{2}{5}$ )

int  $x = 10$ ;

 $x = 5$ ;

 $x = 5$ ;

int  $y = 20$ ;

int  $y = 20$ ;

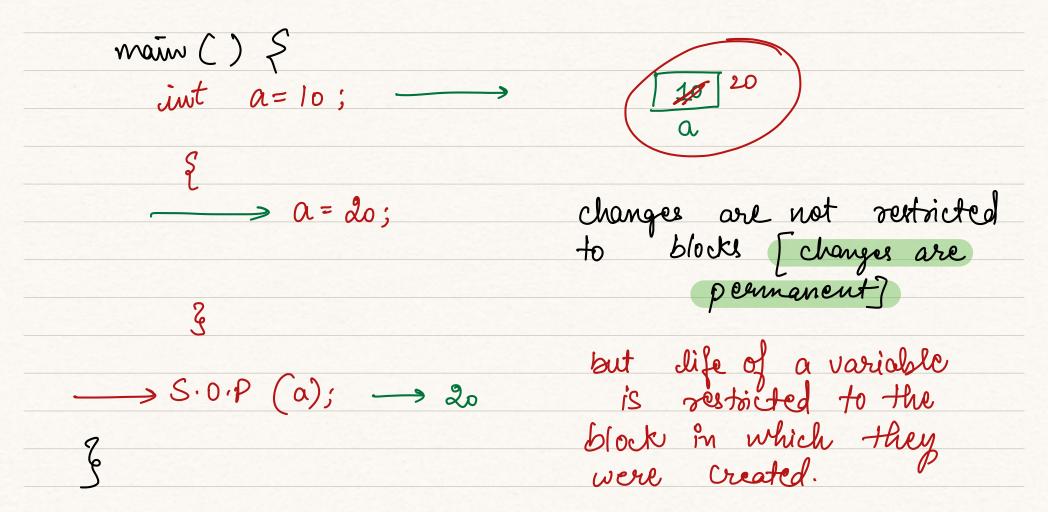
number of  $x = 10$  ( $\frac{2}{5}$ )

Scope of  $x \rightarrow (1-10)$ 

Scope of  $y \rightarrow (7-10)$ 

Scope of  $y \rightarrow (7-6)$ 

```
main () {
int a = 6;
    int b = 9;
    S.O.P (); //af la vre avoilable
    S.O.P (); //a is available
 11 a is available
```



Drubts

Coding Rating

int N = scu. next Int (); > 2100 -> grand marter > 1900 -> candidate mester > 1600 -> expert neu sie mel ter condidate mel ter Resittion 1400 -> Newbie 1600 2100 1400

if (N%2 ==0) }

EXPERT

PUPIL

3 else ?

pupil

expert

3

MCQD

$$a = 10$$
 $a = 10$ 
 $a = 0$ 
 $a$ 

MCGE

```
boolean male = falk;
Ind age = 30;
   (male)
    If (age < 20)
    clee S.O.PM ("Boy");
           S. O. Plm ("Man");
    elke
                                 Womow
```

S.O.Ph ("Woman");

02100;

BOD MAS

$$a = 40$$
 $b = 60$ 
 $C = 50$ 
 $d = 30$ 
 $e = 70$ 
 $c = 70$ 

grade = "A" if (score>90) >if (scare > 80) gerade = "B" > if (score > 70) grade = "C" fore > 60) grade = "D" elle grade = "E"

e grade = E

grade = D

