Q1: if 
$$(y+5)=10$$
  $(y+5)=10$   $(y$ 

if  $(g^2 \text{ "M" II gye} \Rightarrow 21)$  M, 5 else if  $(g^2 \text{ "F" II gye} \Rightarrow 18)$  F, 2 Balika Vadhu

## Test Case

Input for which you know correct output and you use it to check whether your code is correct or not

Dry Run

- · Take a test case
- · Run the code using pen & paper

9 Electricity Bill

Given an integer A -> units of electricity

used

Calculate the Lill amount

1) [1-50] units = 2 0.5/unit 2) [51-150] units = 2 0.75/unit 3) [151+] units = 2 1.2/unit

$$A = 200$$
 $Bill = 50 \times 20.5 = 225$ 
 $100 \times 20.75 = 275$ 
 $50 \times 21.20 = 260$ 
 $2160$ 

Bucket 
$$Ex$$
 Final ans

 $A = 50$   $A = 25$   $9$   $0.5 \times A$ 
 $A = 30$   $A = 100$   $9$   $0.5 \times 50 + 0.75 \times (A - 50)$ 
 $A = 150$   $A = 200$   $9$   $0.5 \times 50 + 0.75 \times (A - 50)$ 

$$\begin{vmatrix} A = 300 \\ 2 + 1.2 \times (A - 150) \\ 2 + 75 + 1.24 - 180 \\ 2 + 1.24 - 80 \end{vmatrix}$$

if  $(A \le 50)$   $SOP(0.5 \times A)$ else if (A > 50) = A = 150) SOP(0.75A - 12.5)else SOP(1.2A - 80)

Break: 10:10pm

While Loops

I time S times 100 times SOP("Welcome") SOP("Welcome") SOP("Welcome") SOP("Welcome") SOP("Welcome") SOP("Welcome") SOP("Welcome")

Perform repetitive tasks

int count = 1; While (count = 100) { Sop("Welcome");

```
coont 2 count +1;
```

Count	count = s	output	new count
l	True	Welcome	2
2	True	Welcome	3
3	True	Welcome	4
4	True	Welcome	5
5	True	Welcome	6
6	False	-> Breeks loop	

## Syntan

```
1) Il variable initialisation

2) Il Write while and condition

3) Il Write repeated task to perform

4) Il Update variable
```

int x2 initialise;
while ( condition) {
 Write repeated task
 Update variable

Ol Print numbers from 1 to 10

int num = 1;

while (nom = 10) &

SOP (nom);

hom = nom+1;

g

P2 Point nombers from 10 to 1

int nom= 10;

while (nom = 1) &

SOP (nom);

nom= nom-1;

Code: https://www.interviewbit.com/snippet/48f67d2332f099951ce5/