if
$$(4+5 \circ \circ \circ 10) \stackrel{?}{\sim} 2$$

Sop $(True)$
 $\stackrel{?}{\rightarrow} else \stackrel{?}{\leftarrow} 5$

Sop $(False)$
 $\stackrel{?}{\rightarrow} 5$

Sop $(True)$
 $\stackrel{?}{\rightarrow} 5$
 $\stackrel{?}{\rightarrow} 6$
 $\stackrel{?}{\rightarrow}$

Electricity Bill

Given an integer A - units of electricity consumed in the house

$$[0-50] \Rightarrow Z = 0.5 / \text{unit}$$

 $[51-150] \Rightarrow Z = 0.75 / \text{unit}$
 $[51-J] \Rightarrow Z = 1 / \text{unit}$

Calculate bill amount

$$E \times 2$$
: $A = 100$
 $50 \times 0.5 + 50 \times 0.75$
 $= 25 + 37.5 = 762.5$

Ex 3: Az 200

A ≤ 50	20	Ax0.5
	30	
A > 50 and	100	50× 0.5 + (A-50) ×0.75
A = 150	120	
A > 150	200	50×0·5 + 100×0·75
	250	(A-150) x 1

if
$$(A = 50)$$
 {
 Sop $(A \times 0.5)$

g

else if $(A > 50)$ & $A = 150)$ £

 Sop (50×0.5) + $(A - 50)$ 0.75)

g

else £

Sop (50×0.5) + $(A - 150)$ $\times 1)$

While Loop

Sop(1)	int i = 1	int izl
SOP (2)	SOP(i)	while (i=5) {
SOP (3)	i 2 i + 1	Sop(i)
50P(4)	SOP(i)	i= i+1
SOP (5)	121.71	Y

Syntan

- 1 initialise loop variable
- @ while (bop condition) {
- (2) // Write byic here
 (3) update loop variable
- int $i^2 1$;

 while $(i \le 5)$?

 Sop(i) i = i + 1
 - Q: Woite code to print first N positive integers

```
int n^2 Scn. nent Int();

int i=1;

while (i = n)  

Sol(i);

i++; 11+i; i+=1;
```

Break - 10:10pm