Ouls. Print natural numbers from 1 to 5.

S.O.PW (1); SOP 1 (2); SOPM (3); C.O.PW (4); S.O.PM (5);

while coop

int c = 1; while (i<=5) {

> S.O.Plu (i); i = i + 1;

int i = 1; [S.D.PM (i); -> 1 i=i+1; // i=2 S.O.PM (i); → 2 i = i + 1; // i = 3 $s.0.Pm(i); \longrightarrow 3$ i=i+1; // i=4 5.0.Pm (i); -> 4 i=i+1; // i=5 S. O.PM (i); → 5 i=i+1; // i=6

int
$$\hat{c} = 1$$
;

while $(i < = 5)$?

Z

· U	i <= 5	Output	î=i+)
1	tone	1	2
2	tone	2	3
3	torie	3	4
4	true	4	5
5	tous	5	6
6	falk -	> Breat	c [exit the loop]
	J		

Structure of while orp > Initialisation of coop variable. Write while with condition [boolean expression] Step 27 while (i <= 5) { write code for task Updation of Goop variable := 1+13

```
Syntax >
```

```
initialise
while (condition) ?

// tark to be repeated
// updation
?
```

initialise

J. toue

cxecute the task

updation

due: Point even numbers from 0 to
$$n$$
 $n = 4 \rightarrow 0 2 4$

X int $i = 0$;

while $(i \le n \ 24 \ i) = 0$
 $i \le n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4 \ i = 0$
 $i = n \ 4$

```
int i = 0;
                                          0% - modulus
divide
     while (i <= n) &
           if ( i % 2 = = 0) 8
                 S.D.Plu(i);
           1++;
m = 7
              0 2
                     46
                          i % 2 == 0
           i 4= 7
                                                     1++
                                        Output
                            tous
           tople
                            false
            torre
                            torre
            torre
                            false
            tone
                             force
            tous
                            falle
            touc
                             tone
            tone
                             false
            four
            felic
                                            Break
```

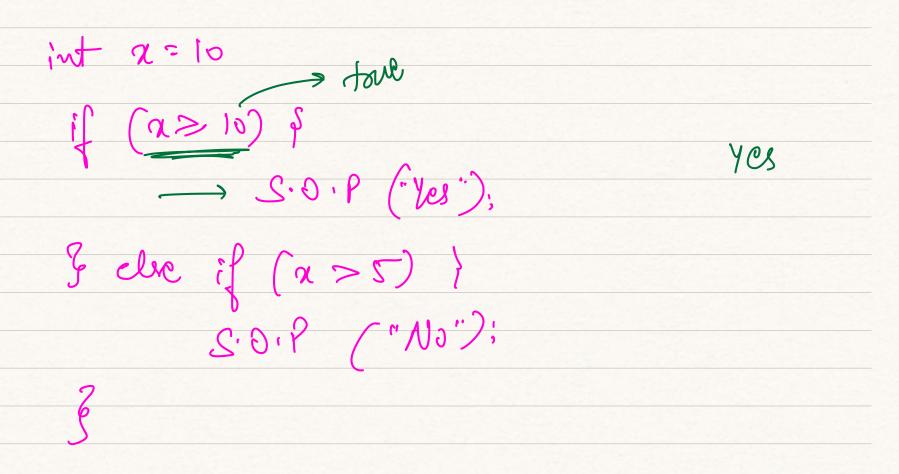
$$S \cdot 0 \cdot P \text{ ln (i)};$$
 $i = i + 2;$

i i
$$\angle = 7$$
 Output i = i + 2
0 true 2 4
4 true 4 6
6 true 6 8
8 false \Rightarrow Break

Deuts Compilation Error Runtine Error when Syntax is wrong when logical mistake is there -s missed; missed & 3 int = 5;

```
[0'-50] fort 50 mits
[51-150] vert 100
                                   0.50
                                    26.0
  [151-250] went 100
                                     1.2
251 & above above 250
                                      1:5
          int units = survert Int (); (
clouble annount = 0
        if ( units <= 50) $
                   amount = 0.50 * unify;
        else if (unite = 150)}
                  amount = 25+ (units-50) *0.75;
```

```
25+ 100 x0.75
   else if (wits < 250) f
                                          25 + 75 = 100
   amount = 100+ (units-150) x 7:2;
     else s
     amount = 220 + (cuits-250) + 1.5;
                                  x + 20% x
// 20% surchange
                                 \frac{1}{1} \frac{\chi + \left(\frac{20}{100}\right) \chi}{100}
amount = 1:2 + amount;
                                  9 x + 0.2x
 S.O.P ((int) amount);
                                  2 (1+0·2)
                                  --- (P.2x)
```



n 2 n 3

 γ

if (m2 n2 22 m12 n3) f // n1 is largest S.O.P (n1);

E cle &

71

3

int
$$a=5$$
, $b=6$

$$\frac{1}{1} \left(\frac{a+t}{s} = \frac{--b}{s} \right) \frac{1}{s}$$
S.O. P ("S = 5");

} elve } S.O.P ("NONE"):

Port morement > first use the current value and then ripdate

proc Inor/Decr > First update then we

$$t = \frac{4.5}{(iwt)t} + \left(\frac{1 \times 0.20}{1}\right) = \frac{0.9}{1}$$

$$t = \frac{4.9}{1}$$

$$t = (int) \left(+ + (\pm * \circ \cdot 2 \circ) \right)$$

$$(int) \left(5 \cdot 4 \right)$$

$$(int) \left(5 \cdot 4 \right)$$

$$t = 5$$