```
Q1) (niven a num (int), categorise it into tve, -ve, zero
                        20 --- positive.
                                                   S.Op -> Syr lem. out. print
                        -10 -> Negative
     nam = 20
         Sop ("Negative)"

1 (num 20) (

Negative)

1 (num == 0) d

-cop («2260");
927 Given salary (yearly) and rating of employee
          find and print new salary.
                                              15%
               expectation
                                     Expect expectation
                                           ex: sal = 20,00,000
                                                 10t = 3
                                             100 sal = sal + sal × 10
                                                    = 22100,000/
                      int sal = sc. next Intc);
                      int rating = sc. next Into;
                    1 -> 0%, 2 -> 5%, 3-> 10, 6-> 15%, 5-> 20%
```

```
if (rabng == 1) {
       s.op (sal);
  else if ( robing = = 2) d

11 new_sal = Sal + sal × => (sal + sal × 0.05)

Sop( sal + sal × 0.05);
   elseif ( !ating = = 3) }

( | sal + sal × 10 = ) (sal + sal × 0.1)

Sop ( sal + sal × 0.1);
       elcei) ( sahng = =4) {

|/ sal + sal x (5 =) ( sal + sal x 0.15)

sop (sal + sal x 0.15);
             }
                    Sop ( sal + sal * 0.2)
           else 1
     h= 13
     C1 = true;
       Sop Citi );
    clse i sop (" By=");
         1
```

(3) Given 3 sides of a triangle catagorse it as equilateral: - au the sides are equal v isosceles: - Any of two sides are equal ~ realene: - all sides are not equal. 10, 10, 10 -> equilateral heangle 10,5,10 -> Isoseles trangle 5, 4, 3 -> Scalere tringle. aslor if (a=b qr b=c) d a=b b=c sop (" Equilation ")) elseif (a==b 11 b==c 11 a==c)d Sop ("Icoseles"); else & sop (" scalene");

Que Griven 3 angles (int) of triangle, tell we than the triangle is valid as not A

a+b+c=180 $a=60, b=30, c=90 \rightarrow valid$ sum=180

a=20, b=30, c= 70 → not valid ly Sum = 120



 $\frac{a--\rightarrow \text{ int } a=30;}{\text{Sop}(a=-2); || \text{ Rint } 30}$ a 30 30-Sop(a); 11 292 , b 30 31---a int b = 30; 129

Re doe sop(==b); 11 29 Sop(b), 29 int a= 10, in+ b= 20-21 SOP!