Print Bonus

$$[x]$$
 salary = 80,000
years = 7
 $[x]$ borns = 80,000 * $[x]$ = $[x]$ = $[x]$

```
\frac{ex^2}{year} = 100000
year = 4
bon w = 0
```

```
code
```

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int salary = scn.nextInt();
    int years = scn.nextInt();
    int bonus = 0;
    if ( years > 5 ) {
        bonus = (salary * 5) / 100;
    }
    System.out.println(bonus);
}
```

> Variation of if else condition	
If else Jadder if (cond 1) { // Statement L y else if (cond 2) { // Statement 2 y else if (cond 3) { // Statement 3 y else if (cond 4) { // Statement 4 y else { // Statement 5 }	Note:- 1) if else ladder, can print only I of the statement 2) always checks from top to bottom. 3) if cond is mandatary all others are optional 4) In if else ladder, we can have only I if cond and only I else cond

= rif(2>7){ Syso ("A");

3 else if (3==4)? Syso ("B");

- Jelse if (2<4) { Syso ("c"); J else if (5>3) {

Syso ("D");

P

Grade the student 1

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int marks = scn.nextInt();
    if ( marks > 90 ) {
    System.out.println("excellent");
  else if ( marks > 80 && marks <= 90 ) {
    System.out.println("good");</pre>
  } else if ( marks > 70 && marks <= 80 ) {
         System.out.println("fair");
    } else if ( marks > 60 && marks <= 70 ) {
         System.out.println("meets expectations");
   _} else if ( marks > 40 && marks <= 60 ) {
         System.out.println("below par");
         se {
System.out.println("failed");
```

Print the oldest among three

$$A = 23$$

$$B = 24$$

$$C = 20$$

$$Syso(A);$$

$$Syso(B);$$

$$Jelse if (B>A&&B>C) {Syso(B);}$$

$$Jelse if (C>A&&C>B) {Syso(C);}$$



```
public static void main(String[] args) {
          Scanner scn = new Scanner(System.in);
int A = scn.nextInt();
int B = scn.nextInt();
       int C = scn.nextInt();
 if ( A > B && A > C ) {
    System.out.println("A");
} else if ( B > A && B > C ) {
    System.out.println("B");
} else if ( C > A && C > B ) {
    System.out.println("C");
}
```

>> Hested if else // one inside another if (cond 1) {

if (cond 2) {

// statement 1 (A)

} else {

// statement 2 (B)

y statement 1 -> (cond1) es cond2 1) cond 1 de land2, B 3 else E if (cond 3) {

// statement 3 (c)

J' else {

// statement 4 (D)

y 2) ! cond1 kb cond3 , C

Rich Adult Young

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int age = scn.nextInt();
    int salary = scn.nextInt();
    if ( age > 40 ) {
        if (salary >= 30000) {
            System.out.println("You are rich and adult");
        } else {
            System.out.println("You are an adult");
        }
    } else {
        if ( salary >= 12000 ) {
            System.out.println("You are rich and young");
        } else {
            System.out.println("You are young");
```