Name	
QUID	
Total (100)	

Q.1   [40 Points- 8 Each] What is the EXACT output of the following Java statements:

```java
int x=5;
int y= (--x>4)? ++x : x--;
System.out.println(y);
```

```java
double k = (double) (5/2);
double m = (double) 5/2;
System.out.println(k +", "+ m);
```

```java
int x = 3;
int y = 1;
switch (x - y) {
case 2:
    y = 0; x = 5;
case 3:
    y = 3; x = 7;
    }
System.out.println(y);
System.out.println(x);
```

```java
int i = 2;
do
{
    i *= 2;
}
while (i < 5);

System.out.println(i);
```

```java
int sum = 0;
for (int i = 0; i < 4; i++) {
    if (i % 3 == 0)
        continue;
    sum += i;
}System.out.println(sum);
```

Q.2   [60 Points – 30 Each] Rewrite the following Python code in Java

IGNORE ALL IMPORT STATEMENTS – ONLY JAVA CODE IN main METHOD

```python
n=int(input('Enter a +ve number:'))
while (n < 0):
    n=int(input('Invalid -ve value, Enter a +ve number:'))
fact=1
for i in range(1,n+1):
    fact=fact*i
print("The factorial=",fact)
```

```java
public static void main(String[] args) {




































}
```

```python
name = input('Enter your name: ')
salary=float(input("Enter your Salary:"))
children=int(input('Enter number of children:'))
if salary < 30000:
    tax=salary*0.10
elif salary >= 30000 and children >= 3:
    tax=salary*0.20
else:
    tax=salary*0.30
netSalary=salary-tax
print('Hi ', name , 'Your Net salary: ',netSalary)
```

```java
public static void main(String[] args) {


















  }
```