Print value of a, b, c

a = 5	a	b	c
b = ++a	6	6	—
c = ++b	6	7	7
a = b++	7	8	7
b = c++	7	7	8
c = ++a	8	7	8
a += b	15	7	8
b -= c	15	-1	8
c += b	15	-1	7
b--	15	-1	7
a++	15	-2	7
c--	16	-2	7
--a	15	-2	6

$8 + (-1)$
$8 - 1 = 7$

$a = a + b$
$b = b - c$
$c = c + b$

runner up 3

Second largest

Jatin 22/25

Rahul 25/22

✓Deepak 23

$$\overset{23>22 \text{ && } 23<25}{\text{if } (D>J \text{ && } D<R) \mid\mid (D>R \text{ && } D<J)}$$

$$("D")$$

$20>50$ F
$90>20$ T
$64>20$ $64<35$

$20>80$ F
$10>70$ T $70<80$ F
$64>35$ $64<20$

$90<70$ F

$$\overset{64>20 \quad 64<35}{\text{else if } (J>D \text{ && } J<R) \mid\mid (J<D \text{ && } J>R)}$$

$$("J")$$

$50>20$ T
$20>90$ F ✗ $20>64$

$50<80$ T

$20<80$ T
$20<64$

$20>70$ F → F
$20>35$ F

$$\text{else if } (R>J \text{ && } R<D) \mid\mid (R<J \text{ && } R>D)$$

$$("R") ✓$$

$70>20$ T
$35>20$ T

$70<90$ T

$35<64$ T

J [50] 20 20
R 80 [70] [35]
D 20 90 64

```java
Scanner s = new Scanner(System.in);
int a = s.nextInt();
int b = s.nextInt();
int c = s.nextInt();

if((a > b && a < c) || (a < b && a > c)){
    System.out.println(a);
}
else if((b > a && b < c) || (b < a && b > c)){
    System.out.println(b);
}
else{
    System.out.println(c);
}
```

HW_Even Odd 1000

75 , 1200 , 80 , 133/

757.2   7.2   7.2   7.2

Odd   Even   Even   Odd

75 > 1000   > 1000   > 1000   > 1000

F   T   F   T

odd   Even   Even   odd >

odd   above   above

above   1000   1000

1000

```java
Scanner s = new Scanner(System.in);
int x = s.nextInt();

if(x % 2 == 0){   // even
    if(x > 1000){
        System.out.println("Even and above 1000");
    }
    else{
        System.out.println("Even");
    }
}
else if(x % 2 != 0){ // odd
    if( x > 1000){
        System.out.println("Odd and above 1000");
    }
    else{
        System.out.println("Odd");
    }
}
```

HW_Marks of a student in 5 subjects

500

```
Scanner s  = new Scanner(System.in);
double a = s.nextDouble();
double b = s.nextDouble();
double c = s.nextDouble();
double d = s.nextDouble();
double e = s.nextDouble();

double total = a+b+c+d+e;
double percentage = total/5.0;
System.out.println(total);
System.out.println(percentage);
```

$$total = a+b+c+d+e$$

$$Percentage = \frac{total}{500} \times 100$$

$$(total / 5);$$

$$10 + 10 + 10 + 10 + 10 = \underline{50}$$

$$\frac{50}{500} \times 100 \Rightarrow \frac{50}{5}$$

$$(total \times 100)/500;$$

HW_abcd 88

a, b, c, d

$a \times b \times c \times d = Product$

"if (Product > 1000)

'true'

else 'false')

$4 \times 2 \times 3 \times 5$

$120 > 1000$

$b/p \rightarrow false$

$100 \times 100 \times 2 \times 1$

$20000 > 1000$

$o/p \rightarrow true$

```
int a , b, c d;
int product = a*b*c*d;

if(product > 1000)
    Syso(true)
else
    Syso(false)
```