
~~too~~

(Que. 1) a) jshell > int a = 'A' ; a+4
 $\Rightarrow 69.$

Explanation , int a = 'A' in ASCII A = 65 .
 $\therefore \text{int } a = 65 ; a+4 = 65 + 4$
 $\therefore a+4 = 69 .$

b) Assume a = 5

jshell -a - ++a + --a
 $\Rightarrow -6$

Explanation , Here , a = 5

-a = -5

for ++a	;	for --a , a = 6
a = 5	;	value used = 5
value used ++a = 6	;	Current value = 5
current value = 6	;	

$\therefore -a - ++a + --a = -5 - (6) + (5) = -6$

c) jshell > String b = "A\bt\c\sd".

jshell > b.replace (" ", "")

$\Rightarrow "A\bt\c\sd"$

* example explanation :-

* string b store "A\tb\c\s\d"

* \t → tab, \s → space.

* ∴ b save as "A\tb c d".

* Single spaces between b, c & d.

* " " (single space) → "" (empty) .
replace

* ∴ "A\tb c\s\ d" → "A\tb c d".

d) Byte. SIZE + Short. SIZE / short. Bytes

⇒ Error.

explanation :- Byte is wrong terminology.

the constants in Ishell is written in
capitals.∴ Correct string is BYTE. SIZE + short. SIZE /
short. BYTES.

(Ques. 2)

c) isBlank() and isEmpty() are not also
replacable.Because, isBlank() is the Boolean method which
can check the characters inside the string - not
spaces.

example., " ". isBlank()

⇒ true

" - ".isEmpty() " ".isBlank()
=> true

Whereas, in .isEmpty() spaces can consider as
characters

example:

" ".isEmpty()
=> true.

" ".isBlank()
=> false

(Because, spaces are present in it)

Ques. 2)

a)

```
→ import java.util.Scanner  
class Cross {  
    public static void printPattern(int size) {  
        if (size % 2 == 0 || size <= 0) {  
            System.out.println("The entered value"  
                + size + " is not odd. Please enter an odd  
                size.");  
        }  
        return;  
    }  
    for (int i = 1; i <= size; i++) {  
        for (int j = 1; j <= size; j++) {
```

```
*****
if (i==j || i+j == size) {
    System.out.print ("X");
} else {
    System.out.print (" ");
}
System.out.println ();
}

}

public static void main (String [] args) {
Scanner sc = new Scanner (System.in);
System.out.print ("Enter size: ");
int size = sc.nextInt ();
printPattern (size);
}

}
```

Output :

Enter size : 5

X X

X X

X

X X

X X