

17 Solve the Jse1 - paper in Journal page 1

Q1

a) jshell> int a = 'A' at 4

a ==> 65

jshell> at 4

z ==> 69

b) a = 5

jshell> -a -++a + --a

~~-5~~ + 5 - 5 - 6 + 5
= -6

jshell> z ==> a ==> -6

c) jshell> String b = "A\tb c\td"

\t insert a tab space

\s represent one space character

"A\tb c d"

b.replace(" ", "\s")

==> "A\tb c d"

d) Error

Q2

```
public class patternx{
```

```
    public static void printPattern(int size){
```

```
        if (size % 2 == 0){
```

```
            System.out.println (
```

```
                "The entered value "+size+" is not odd ,
```

```
                please enter an odd size"
```

```
            );
```

```
        return;
```

```
    }

```

```
    for (int i=0; i<size; i++){
```

```
        for (int j=0; j<size; i++){
```

```
            if (i==j || i+j == size-1){
```

```
                System.out.print(" ");
```

```
            }

```

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

```
        }

```

```
    }

```

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

```
        printPattern(3);
```

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

```
        printPattern(5)
```

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

```
        printPattern(4);
```

```
    }

```


b) Short s = (short) 5022026

1' Short range - 32768 to 32767

$$5022026 \div 65536 = 76$$

$$65536 \times 76 = 4980736$$

$$5022026 - 4980736 = 41290$$

$$41290 > 32767$$

$$41290 - 65536 = -24246$$

$$\text{Short}(5022026) = -24246$$

d) isEmpty() check String length = 0

isBlank() check String empty or spaces
no

String s1 = "";

String s2 = " ";

s1.isEmpty(); true

s1.isBlank(); true

s2.isEmpty(); True

s2.isBlank(); False