23.

1. if (letter < ‘z’)

x=x+1;

2. if (letter < ‘z’)

x=x+1;

else

y=y+1;

3. if ((x<y) && (y<=z))

System.out.println(y);

else

{

System.out.println(y);

System.out.println(z);

}

4. if (x<=z)

{

System.out.println(x);

System.out.println(z);

}

Else if (x>y)

{

System.out.println(x);

System.out.println(y);

}

24.

(1) 31 times

(2) while (done!=true), number+=2, if (number = 64)

(3) **public** **class** LoopApp { // class name

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

**int** number = 2;

**int** i =0;

**boolean** done =**false**;

**while** (done !=**true**) {

i++;

System.***out***.println("Current Loop " + i + "\n");

number +=2;

**if** (number == 64)

done = **true**;

}

System.***out***.println("Total Loops " + i);

} //end of main()

} //end of class