**Tricky Interview Questions**

**Q) Output numbers from 1 to 100 without using any numbers in the code?**

**public** **class** NumWithOutNum {

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

**int** one = 'A'/'A';

String s = "..........";

**for**(**int** i=one;i<=(s.length()\*s.length());i++) {

System.***out***.print(i+" ");

}

}

}

**public** **class** NumWithOutNum {

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

**int** one = 'A'/'A';

**for**(**int** i=one;i<='d';i++) {

System.***out***.print(i+" ");

}

}

}

**Q) Print “Hello World” Without using “;”?**

**public** **class** HelloWorld {

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

//1

**if**(System.***out***.printf("Hello World ")==**null**) {

}

//2

**if**(System.***out***.append("Hello World ")==**null**) {

}

//3

**if**(System.***out***.append("Hello World ").equals(**null**)) {

}

//4

**for**(**int** i=0;i<1;System.***out***.print("Hello World")) {

i++;

}

}

}

**Q) What will be the output when you divide a number by zero ? (Num = integer/float/double)**

**public** **class** NUmDivideByZero {

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

System.***out***.println(30.0/0); // Infinity

System.***out***.println(80.00f/0); // Infinity

System.***out***.println(100/0.0); // Infinity

System.***out***.println(12.222222d/0); // Infinity

System.***out***.println(0.0/0); // NaN

System.***out***.println(0.0/0.0); // NaN

System.***out***.println(23.45/0.0); // Infinity

System.***out***.println(234.234d/0.0); // Infinity

}

}

**Q) What is NaN? How is NaN defined in different languages?**

**Nan – Not A Number ( The number is not defined)**

System.***out***.println(0.0/0.0); // NaN

System.***out***.println(Math.sqrt(-1)); // NaN

System.***out***.println(Float.NaN == Float.NaN); // false

System.***out***.println(Float.NaN != Float.NaN); // true

**double** num = 2.0%0; //NaN

System.***out***.println((2.0 % 0) == num); //false

System.***out***.println(num == num); // false

**Q) What will be the output when you use a Long number with L and without L suffix?**

**public** **class** WithLAndWithoutL {

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

**long** LongNumWithoutL = 1000\*60\*60\*24\*365;

System.***out***.print(LongNumWithoutL); //1471228928 32bits

**long** LongNumWithL = 1000\*60\*60\*24\*365**L**;

System.***out***.print(LongNumWithL); //31536000000 36bits

}

}