

PROGRAMS

1. Write a program in which 10 integers are generated randomly within the range of 1 to 100 by using `random` module functions. The program prints the numbers to the screen as they are generated and will find the total, average, and also how many of them are even or odd.

By the end of the program, generated and computed information will be printed to screen as shown below.

Generated Numbers

1	10
2	50
3	99
4	14
5	2
6	9
7	29
8	89
9	7
10	13

Number of evens: 4

Number of odds: 6

Average of Generated Numbers: 32.2

Note: You should use a list to store the generated values. Then process this list to compute the necessary information.

2. Write a program in which a list named `people` including the names and the ages of the some people are defined as the following:

```
people=['Ali',17,'Veli',20,'Can',28,'Tom',35,'Jane',14,'Ken',23]
```

Your program will input a name from the user then if it is found in the list then it will print the age of the person. If given name not found in the list then it will state it is not found in the list.

Example runs of the program given below:

```
Enter a name to search: Can
Can is 28 years old.
```

```
Enter a name to search: Thomas
Thomas is not found in the list.
```

```
Enter a name to search: Jane
Jane is 14 years old.
```

Hint: You may use `in` statement to determine if a given name is in the list then use `index` list function to determine its place and corresponding age.