1. Ways to read input-

a. single character/word

b. characters split in a line

c. integers split in line

d. create & initialize - arraymatrix

Java:

Scanner scanner = new Scanner(System.in);

System.out.println("Enter a first number:");

int nums = Integer.parseInt(scanner.nextLine());

int[] nums = new int[10];

// Loop to store input values in nums array

for (int i = 0; i < nums; i++) {

nums[i] = scanner.nextInt();

}

String[] words = scanner.nextLine().split("\\s+");

Py3:

for \_ in range(int(stdin.readline())):

N = int(stdin.readline())

S = stdin.readline()

inpList = list(map(int, stdin.readline().split(' ')))

for \_ in range(int(input().strip(" "))):

n = int(input().strip(" "))

inpList = [int(z) for z in input().strip(" ").split(" ")]

[[0]\*3]\*4 ->initializes 2d matrix: [[0, 0, 0], [0, 0, 0], [0, 0, 0], [0, 0, 0]]

2. Conversion between ascii and value

3. Conversion between binary and decimal

4.