

TARGET SUM TRIPLET

Hume ek array given hoga aur hume ek target given hoga vo sab TRIPLET (3 elements, each of these 3 elements should be UNIQUE) print krne hai Jo uss target ke equal sum banega!

Yeh Question hume (n^2) time complexity me print krna hai!

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

```
{ Scanner s = new Scanner(System.in);
```

```
  int target = s.nextInt();
```

```
  int n = s.nextInt();
```

```
  int [] arr = new int [n];
```

```
  for (int i = 0; i < arr.length; i++)
```

```
  { arr[i] = s.nextInt();
```

```
  }
```

```
  Arrays.sort(arr);
```

```
  for (int i = 0; i < arr.length; i++)
```

```
  { int ntar = target - arr[i];
```

new target ← int j = i + 1; → left index hoga (j)

int k = arr.length - 1; → Right index hoga (k)

while (j < k) → Jabtak [j, k] ke kam hai Tab tak loop chalega!

```
  { if (arr[j] + arr[k] > ntar) { k--; } }
```

```
  { if (arr[j] + arr[k] < ntar) { j++; } }
```

```
  else
```

```
  { System.out.println (arr[i] + " " + arr[j] + " " + arr[k]);
```

j++; → Agar sum target ke equal hai toh
k--; 1st element ko aur element at j, k
ko print krdenge!

```
  }
```

