- **Write a logic using looping technique which will check if the list element when added returns the x value.For eg.:List inList={1,2,3,4,5,6,7} and x is=7,So you need to use any looping technique you are comfortable with and write a logic which returns the elements which will return x value after addition operation is done.**

```
void main() {
  var lst = [1, 2, 3, 4, 5, 6, 7, 8];
  int l = lst.length;
  int a = 15;

  for (int i = 0; i < l - 1; i++) {
    for (int j = i + 1; j < l; j++) {
      if (lst[i] + lst[j] == a) {
        print("${lst[i]},${lst[j]}");
      }
    }
  }
}
```

- **Using While Loop**

```
void main() {
  var lst = [1, 2, 3, 4, 5, 6, 7, 8, 9];
  int a = 6;
  int l = lst.length;
  int i = 0;

  while (i < l - 1) {
    int j = i + 1;
    while (j < l) {
      if (lst[i] + lst[j] == a) {
        print('${lst[i]},${lst[j]}');
      }
      j++;
    }
    i++;
  }
}
```

- **Using for in Loop**

```
void main() {
  var lst = [1, 2, 3, 4, 5, 6, 7];
  int input = 7;
  for (int a in lst) {
    for (int b in lst) {
      if (a + b == input) {
        print('$a,$b');
      }
    }
  }
}
```

- **Write an logic to segregate 1s and 0s from an array.**
- **For eg: Input array =[0,1,0,1,0,0,1,1,1,0]**
- **Output:[0,0,0,0,0,1,1,1,1,1].**

```
void main() {
  var arr = [0, 1, 0, 0, 1, 1, 0, 1, 0, 1, 1, 0];
  int l = arr.length;
  for (int i = 0; i < l - 1; i++) {
    for (int j = i + 1; j < l; j++) {
      if (arr[j] < arr[i]) {
        int temp = arr[j];
        arr[j] = arr[i];
        arr[i] = temp;
      }
    }
  }
  print(arr);
}
```

```
void main() {
  var arr = [0, 1, 0, 0, 1, 1, 0, 1, 0, 1, 1, 0];
  arr.sort();
  print(arr);
}
```

```
void main() {
  var arr = [0, 1, 0, 0, 1, 1, 0, 1, 0, 1, 1, 0];
  int l = arr.length;
  for (int i = 0; i < l - 1; i++) {
    if (arr[i] == 1) {
      arr.insert(l, arr[i]); // insert at last pos.
      arr.remove(arr[i]); // remove from ith pos.
    }
  }
  print(arr);
}
```