

# Task 2:

1:

```
import 'dart:io';

void main() {
  stdout.write('Enter your name ');
  String? name = stdin.readLineSync()
();
  stdout.write('Enter your age');
  int? age = int.parse(stdin.
readLineSync() ?? '');
  int years = 100 - age;

  print('$name you will be after $
years 100 years old');
}
```

2:

```
import 'dart:io';

void main() {
  stdout.write('Enter a number: ');
  int? number = int.parse(stdin.
readLineSync() ?? '');

  if (number % 2 == 0) {
    print('The number is even');
  } else {
    print('This is number is odd');
  }
}
```

3:

```

import 'dart:io';

void main() {
  stdout.write('Enter a number : ');
  int? num = int.parse(stdin.
readLineSync() ?? '');

  if (num <= 0) {
    print(
      'Please enter a valid positive number.'
    );
    return;
  }
  List<int> Advisors = [];
  for (int i = 1; i <= num; i++) {
    if (num % i == 0) {
      Advisors.add(i);
    }
  }
  stdout.write('The advisors of $
num is $Advisors');
}

```

4:

```

import 'dart:io';

void main() {
  List<int> a = [1, 1, 2, 3, 4, 8,
13, 34, 55, 89];
  for (var num in a) {
    if (num < 5) {
      print(num);
    }
  }
}

```

5:

```

void subList(List<int
> numbers) {
    if (numbers.isEmpty
) {
        print(
'List is empty');
        return;
    }

    List<int> result =
[numbers.first,
numbers.last];
    print(result);
}

void main() {
    List<int> a = [5,
10, 15, 20, 25];
    subList(a);
}

```

6:

```

void maxnum(List<int> a) {
    if (a.isEmpty) {
        print('List is empty');
        return;
    }

    int maxnum = a[0];
    for (int i = 1; i < a.length; i++) {
        if (a[i] > maxnum) {
            maxnum = a[i];
        }
    }

    print('Max number: $maxnum');
}

void minnum(List<int> b) {
    if (b.isEmpty) {
        print('List is empty');
        return;
    }

    int minnum = b[0];
    for (int i = 1; i < b.length; i++) {
        if (b[i] < minnum) {
            minnum = b[i];
        }
    }

    print('Min number: $minnum');
}

void main() {
    List<int> numbers = [10, 5, 20, 8, 30];
    maxnum(numbers);
    minnum(numbers);
}

```