Q.1: Create a list of numbers & write a program to get the smallest & greatest number from a list.

AList myList = [12, 45, 7, 23, 56, 89, 2, 100, 6,];

smallest = min(numbers)

greatest = max(numbers)

print("The smallest number is ;", smallest)

print("The greatest number is;", greatest)

run:

smallest number and greatest number.

Q.2: remove all false values from below list by using removeWhere or retainWhere property.  
List<String> usersEligibility = ['John', 'Alice', 'eligible', 'Mike', 'Sarah', 'Tom'];

A List<String> usersEligibility = ['John', 'Alice', 'eligible', 'Mike', 'Sarah', 'Tom'];

usersEligibility.removeWhere((e) => e == false);

print(usersEligibility);

List<String> usersEligibility = ['John', 'Alice', 'eligible', 'Mike', 'Sarah', 'Tom'];

usersEligibility.retainWhere((e) => e == false);

print(usersEligibility);

run:

[John, Alice, eligible, Mike, Sarah, Tom]

[]

Q.3: Given a list of integers, write a dart code that returns the maximum value from the list.

A List<int> maxValue = [10, 5, 8, 20, 15,];

print("The maximum value in the list is: $maxValue");

run:

The maximum value in the list is: [10, 5, 8, 20, 15]

Q.4: Write a Dart code that takes in a list of strings and removes any duplicate elements, returning a new list without duplicates. The order of elements in the new list should be the same as in the original list.

A List<String> name = ['sajjad', 'sufiyan', 'ali', 'ali',];

name.remove('ali');

print(name);

run:

[sajjad, sufiyan, ali]

Q.5: Write a program that takes a list  
of numbers as input and prints the even numbers in the list using a for loop.  
  
Example:  
  
Input:  
[1, 2, 3, 4, 5, 6, 7, 8, 9, 10]  
  
Output:  
2 4 6 8 10

A int i;

for(i = 1; i <= 10; i++){

if(i % 2 == 0){

print("$i");

}

}

run:

2

4

6

8

10

Q.6: Map<String, double> mathMarks = {  
  'ram': 30,  
  'mark': 32,  
  'harry': 88,  
  'raj': 69,  
  'john': 15,  
};  
  
Using ".removeWhere()" method remove key, value where value <= 30 then print the updated map mathMarks variable.

A Map<String, double> mathMarks = {

'ram': 30,

'mark': 32,

'harry': 88,

'raj': 69,

'john': 15,

};

mathMarks.removeWhere((key,value)=> value <= 30);

print(mathMarks);

run:

{mark: 32, harry: 88, raj: 69}

Q.7:Create a map with name, phone keys and store some values to it. Use where to find all keys that have length 4.

A Map map1 = {"name": "Waleed Sheikh", "phone": 1245};

if(map1.length == 4){

print(map1);

}

else{

print("your value have not length 4");

}

run:

your value have not length 4