

Instructions:

- Solve the following question by yourself. Please avoid using GPT or any similar tool to generate the answer, as this will make it difficult to develop your own logic. You may not be able to create a logical solution for a program that isn't available on the internet, and tools like GPT can't generate code for you. So, be honest with yourself and complete the exercises below independently. If you need help, feel free to ask your teacher
- Before writing any program, take a piece of paper and write on it, when you understand the logic then implement on code editor
- Don't leave any question unanswered, attempt the question as much as you understand.
- Don't share the code with your classmates.

Q1) Create a program that prints the numbers from 1 to 10.

Example:

1
2
3
4
5
6
7
8
9
10

Q2) Print the numbers from 10 down to 1 in reverse order.

Example:

10
9
8
7
6
5
4
3
2
1

Q3) Print the elements of an array using a for loop with their index number: ['apple', 'banana', 'cherry', 'date'].

Example:

0 - apple
1 - banana
2 - cherry
3 - date

Q4) Print the table of 2 in correct order from 2 to 10 using a for loop.

Example:

2 x 1 = 2
2 x 2 = 4
2 x 3 = 6
2 x 4 = 8
2 x 5 = 10
2 x 6 = 12
2 x 7 = 14
2 x 8 = 16
2 x 9 = 18
2 x 10 = 20

Q5) Print the table of 2 in reverse order from 10 to 1 using a for loop.

Example:

2 x 10 = 20
2 x 9 = 18
2 x 8 = 16
2 x 7 = 14
2 x 6 = 12
2 x 5 = 10
2 x 4 = 8
2 x 3 = 6
2 x 2 = 4
2 x 1 = 2

Q6) Calculate the sum of numbers from 1 to 5 using a for loop.

Example:

Sum: 15

Q7) Print the even numbers from 2 to 10. (Hint: use if else to find the even numbers with for loop)

Example:

2
4
6
8
10

Q8) Print the odd numbers from 1 to 10. (Hint: use if else to find the odd numbers with for loop)

Example:

1
3
5
7
9

Q9) Create a program that prints the squares of numbers from 1 to 5.

Example:

1
4
9
16
25

Q10) Count the number of even numbers from 1 to 20 using a for loop.

Example:

Count of even numbers: 10



Best of Luck