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**1- Write a program in Dart to find the first 10 natural numbers.**

Sample output:

The natural numbers are:

1 2 3 4 5 6 7 8 9 10

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**2- Write a program in Dart to find the sum of the first 10 natural numbers.**

Sample Output:

The natural numbers are:

1 2 3 4 5 6 7 8 9 10

The sum of first 10 natural numbers: 55

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**3- Write a program in Dart to find the perfect numbers between 1 and 500.**

The perfect numbers between 1 to 500 are:

6 28 496

**4- Write a program in Dart to check whether a number is prime or not.**

Sample Output:

Input a number to check prime or not: 13 The entered number is a prime number.

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**5- Write a program in Dart to calculate the sum of the series  $(1*1) + (2*2) + (3*3) + (4*4) + (5*5) + \dots + (n*n)$ .**

Sample Output:

Input the value for nth term: 5

$1*1 = 1$

$2*2 = 4$

$3*3 = 9$

$4*4 = 16$

$5*5 = 25$

The sum of the above series is: 55

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**6- Write a program in Dart to print a square pattern with the # character.**

Sample Output:

Print a pattern like square with # character:

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Input the number of characters for a side: 4

# # # #

# # # #

# # # #

# # # #

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**7- Write a program in Dart to display the cube of the number up to an integer.**

Sample Output:

Input the number of terms : 5

Number is : 1 and the cube of 1 is: 1

Number is : 2 and the cube of 2 is: 8

Number is : 3 and the cube of 3 is: 27

Number is : 4 and the cube of 4 is: 64

Number is : 5 and the cube of 5 is: 125

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**Good luck 😊**