

1. Write a function called `show_palindrome` that takes a number as an argument and then returns a palindrome string. Finally, prints the returned value in the function call.

Example:

`show_palindrome(5)` shall give the output- "123454321".

2. Write a function called **csa** that takes the radius and height of a cone as input and prints the curved surface area of the cone within the function.

$$\text{slanted height} = \sqrt{(\text{height})^2 + (\text{radius})^2}$$

$$\text{curved surface area of a cone} = \pi \times \text{radius} \times \text{slanted height}$$

Sample output: "The curved surface area is: 16"

3. Write a function called **duo\_tribus** that takes a number as an argument and returns the following statements according to the below mentioned conditions. Then, finally print the statement in the function call.
  - If the number is divisible by 2, it should return **"Duo"**.
  - If the number is divisible by 3, it should return **"Tribus"**.
  - If the number is divisible by both 2 and 3, it should return **"DuoTribus"**.
  - Otherwise, it returns **"None"**.
4. Write a python function that will perform the basic calculation (addition, subtraction, multiplication and division) based on 3 arguments. They are:
  - i. Operator ('+', '-', '/', '\*')
  - ii. First Operand (any number)
  - iii. Second Operand (any number)
  - a. Your first task is to take these arguments as user input and pass the values to the function parameters.
  - b. Now, write a function called `basic_calculator` and perform the calculation based on the given operator.
  - c. Then, finally return the result in the function call and print the result.

Example:

For user input "+", 10 and 20, the function call should be `basic_calculator("+", 10, 20)`, and the output should be 30.

5. Write a function which will take 1 argument, number of days.
  - a. Your first task is to take the number of days as user input and pass the value to the function.

- b. Your second task is to implement the function and calculate the total number of years, number of months, and the remaining number of days as output. No need to return any value, print inside the function.

**Note:** Assume, each year to be 365 days and month to be 30 days.

- 6. Write a function called `splitting_money` that takes an amount of money as an argument.
  - a. Your first task is to take the amount of money as user input and pass the value to the function parameter.
  - b. Your second task is to implement the function and calculate how that money can be split into 500, 100, 50, 20, 10, 5, 2, and 1 taka notes.

To return the result containing multiple strings, you need to store it in a variable and return it at the end of the function.

Example1:

If the money is 1234, then the function should return

"500 Taka: 2 note(s), 100 Taka: 2 note(s), 20 Taka: 1 note(s), 10 Taka: 1 note(s), 2 Taka: 2 note(s)"

Example-2:

If the money is 151, then the function should return

"100 Taka: 1 note(s), 50 Taka: 1 note(s), 1 Taka: 1 note(s)"