## Pseudocode:

1) Start by creating a variable called "NUM".

6) Set the inital value of NUM to Zero.

3 Show the message "The Square of Num is " Num multiplied by Num.

@ Show the message "The cube of NUM is" NUM multiplied by NUM multiplied by NUM.

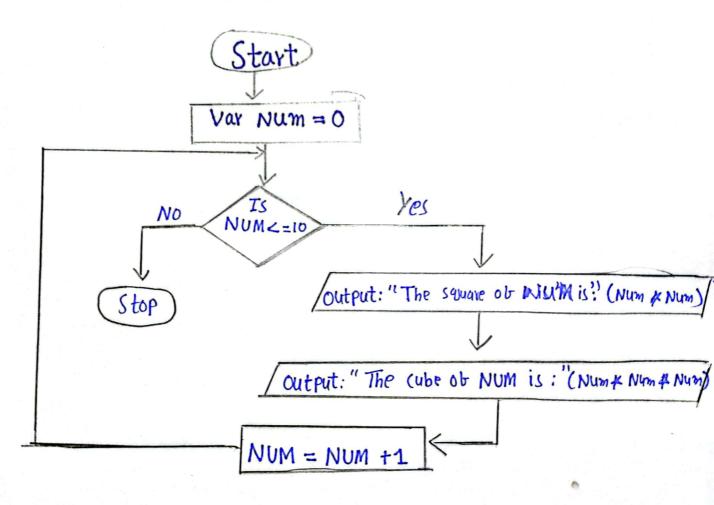
6 Increase the value of NUM by One.

6 Go back to Steps 3 and 4.

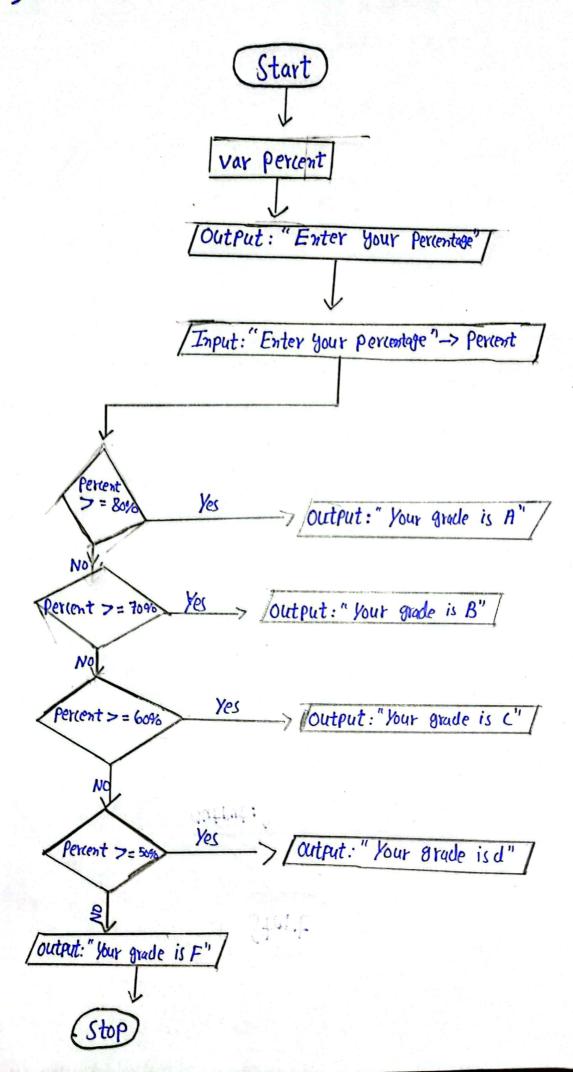
1) Repeat Steps 3,4,5, and 6 until the value of NUM is less then or equal to "10".

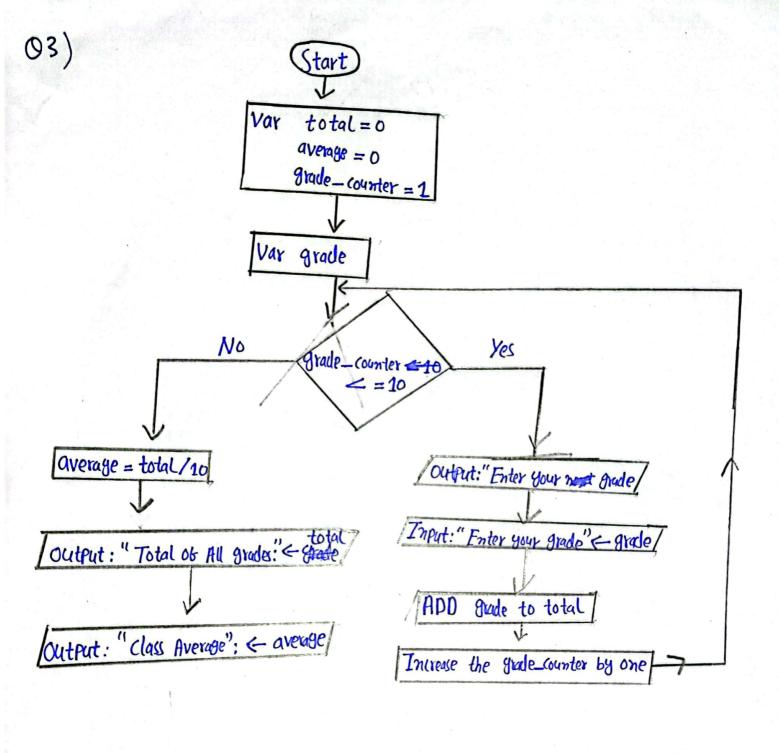
& Stop.

## FlowChart



## Flowchart





- 1. Start by asking the user to enter amond
- 2. Count how many letters are in the word.
- 3. It the word has an even number of letters:

· check it the birst letter is the same as the last letter.

· and letter is some as the and latether some bor 3rd, 4th and so one

· Depending upon how many letters are in the words

· It they are the same, busho show "it's a fulindrome"

· It they are disserent, show "its not a palindrome"

4. It the word has an odd number or letters

· Find the letter in the middle of Letters the words

· Split the word into two halves , excluding the middle letter

· Check it the birst halt is the same as the second halt when reversed,

· It they are the same, show "It's a Palindrome".

· It they are dibterent; show It's not a palinchome':

5) Pseudocade

1 · Start by declaring a variable named "NUM".

2. Show the message " Please enter a Varnumber".

3. Auft and Store the user's in put value in the "NUM" variable.

4. Check it the value stored in "NUM" is less than a.

5. It it's less than a, display the message." This is not a prime number"

6. It the value is greater than a, perform of modulo (%) operation on the number from a to the number itself (in duive).

7. It the value is equal 2, che show the message "This is a prime number

8. It any of these modulo operations result in zero, Show the message "This not a prime number".

9. It none at the and above conditions are met,
"Show the message" This is a Prime Number."

10. Stop

Engine	Count	Number	Size	Average	Output
0	0	0	3		
3			2		
5	a	2	1.	Okan Marika (Marika (Ma	,
6	a	3	5		
11	3	4	0		,
)]	3	5	-1 #		,

To stop the blow chart and obtain the output we need to put size = -1

Engine	Count	Number	Size	Average	output	
11	3	5	-4	<b>২.</b> ১	3-3/3	_