Int length = str.length();

Int lengthHalf = str.length()/2;

Return str.substring(0,(length – lengthHalf) +1)

Int length = str.length();

If front is true 🡪 return First font

If front is true and length == 0 🡪 return “”

If front is false and length > 2 🡪 return the last font

If front is false and length == 2 🡪 return the last font

If front is false and length == 1 🡪 return str

If front is false and length == 0 🡪 return “”

Int length = str.length();

If length = 2 🡪 return 2 chars \*3

If length > 2 🡪 return last 2 chars \* 3

If length ==1 🡪 return str \*3

If length = 0 🡪 return “ ”

Int length = str.length();

Return str.substring(1, length -1);

Without end 2

Int length = str.length();

If length = 0 Or length <= 2 🡪 return “”

If length == 3 🡪 return char index number 1

If length >= 4 🡪 return chars without the first and the last char

Otherwise 🡪 return “None”

None start

Int lengthA = a.length();

Int lengthB = b.length();

If lengthA = 0 and lengthB= 0 🡪 return “No value ”

If length A =1 and lengthB = 1 🡪 return a + b

If length A = 1 and lengthB = 0 🡪 return a

If length A = 0 and lengthB = 1 🡪 return b

If length A == 2 and lengthB = 1 🡪 return charA index number 1 + b

If length A == 2 and length B = 0 🡪 return charA index number 1

If length A == 1 and lengthB = 2 🡪 return a + charB index number 1

If length A == 0 and length B = 2 🡪 return char B inder number 1

If length A == 0 and length B = 1 🡪 return b

If length A >= 2 and length B >= 2 🡪 return char A index number 1 + char B index number 1

If lengthA > 2 and length B = 2 🡪 return char A index number 1 + char B index number 1

If lengthA > 2 and length B = 1 🡪 return char A index number 1 + b

If lengthA > 2 and length B = 0 🡪 return char a index number 1 and above

If lengthA = 2 and length B > 2 🡪 return char a index number 1 + char B index number 1 and above

If lengthA = 1 and length B > 2 🡪 return a + char B index number 1 and above

If lengthA = 0 and length B > 2 🡪 return char b index number 1 and above

Combo String

If lengthA < length B 🡪 return a + b+ a

If lengthA > length B 🡪 return b + a + b

If lengthA = length B 🡪 return a + b

If length A = 0 and length B = 0 🡪 return “Blank”

If length A =0 and b != 0 🡪 return b

If length A != 0 and b = 0 🡪 return a

If ch1 is true and ch2 is true 🡪 return true

Otherwise 🡪 return false

Middle Three

Int length = str.length();

Int halfLen = length/2;

If length = 0 🡪 return “No data”

If length <= 3 🡪 return str

If length > 3 🡪 return string length three from its middle

Check string length then check bad is located in index 0 or 1

If length = 0 🡪 return “false”

If length >=1 and = 2 🡪 and return false

If length == 3 && word “bad” 🡪 return true

If length >3 && word “bad” appear in index 0 or 1 🡪 return true

Otherwise 🡪 return false

Two Chars

If length = 0 🡪 return “None”

If length = 1🡪 return str + @

If length= 2 🡪 return str

If length > 2 🡪 return 2 chars of str which index number starting point

If index = length && index >= 2 return 🡪 first 2 chars

If index < length && index < 2 & length = 1 🡪 return str + @

If index > length && length > 2 🡪 return first 2 chars