No 1  
Deret\_ANGKA\_KELIPATAN\_5

Deklarasi (kamus)

Start, End : Interger

Deskripsisi

STORE start WITH 50

STORE end WITH 100

FOR i FROM start TO LESS THAN EQUAL end INCREMENT BY 5

IF data LESS THAN EQUAL 60

DISPLAY i CONCAT WITH "KURANG"

ELSE IF data LESS THAN EQUAL 70

DISPLAY i CONCAT WITH "CUKUP"

ELSE IF data LESS THAN EQUAL 80

DISPLAY i CONCAT WITH "BAIK"

ELSE

DISPLAY i CONCAT "LUAR BIASA"

Kodingan

const start = 50;

const end = 100;

for (let i = start; i <= end; i += 5) {

if (i <= 60) {

console.log(i + " KURANG");

} else if (i <= 70) {

console.log(i + " CUKUP");

} else if (i <= 80) {

console.log(i + " BAIK");

} else {

console.log(i + " LUAR BIASA");

}

}

No 2

Deret\_Fibonaci

Deklarasi (kamus)

Num1, Num2, n : Interger

NextTerm : Array

Deskripsisi

STORE start WITH 50

STORE end WITH 100

SET NextTerm ARRAY

FOR i FROM 3 TO LESS THAN EQUAL n INCREMENT BY 1

SET hasil WITH Num1 PLUS Num 2

SET NextTerm PUSH hasil

SET Num1 WITH Num2

SET Num2 WITH hasil

DISPLAY NexTerm

Kodingan

let num1 = 0, num2 = 1,

let nextTerm = []

const n = 20;

for (let i = 3; i <= n; i++) {

let hasil = num1 + num2;

nexTerm.push(hasil)

num1 = num2;

num2 = hasil;

}

console.log(nextTerm)

No 3

Piramida

Deklarasi (kamus)

x : Interger

s : String

Deskripsisi

STORE S WITH ANY STRING

STORE X WITH 3

FOR I FROM 0 TO LESS THAN x INCREMENT BY 1

FOR j FROM 0 TO j LESS THAN EQUAL i INCREMENT BY 1

INCREMENT s WITH x

INCREMENT s WITH "\n"

DISPLAY s

Kodingan

let s = “”

let x = 3

for ( let i = 0; i < x ; i++) {

for( let j = 0 ; j <= i ; j++){

s += “\*”;

}

s += “\n”;

}

console.log(s)

No 4

Empat\_Angka

Deklarasi (kamus)

satuan, belasan, puluhan : Array

x : Integer

s : String

Deskripsisi

Function terbilang(x)

STORE satuan : ARRAY ['','satu', 'dua', 'tiga', 'empat', 'lima', 'enam', 'tujuh', 'delapan', 'sembilan'] OF STRING

STORE belasan : ARRAY ['sepuluh', 'sebelas', 'dua belas', 'tiga belas', 'empat belas', 'lima belas', 'enam belas', 'tujuh belas', 'delapan belas', 'sembilan belas'] OF STRING

STORE puluhan : ARRAY ['','sepuluh', 'dua puluh', 'tiga puluh', 'empat puluh', 'lima puluh', 'enam puluh', 'tujuh puluh', 'delapan puluh', 'sembilan puluh'] OF STRING

IF x LESS THAN 10

RETURN satuan[x]

ELSE IF x LESS THAN 20

RETURN belasan[x-10]

ELSE IF x LESS THAN 100

RETURN puluhan[Math.floor(x DIVIDE 10)] CONCAT WITH " " CONCAT WITH satuan[ x MODULUS 10]

ELSE IF x LESS THAN 1000

RETURN satuan[Math.floor(x DIVIDE 100)] CONCAT WITH " ratus " CONCAT WITH terbilang(x MODULUS 100)

ELSE IF x LESS THAN 1000000

RETURN terbilang(Math.floor(x DIVIDE 1000)) CONCAT WITH " ribu " CONCAT WITH terbilang(x MODULUS 1000)

ELSE

RETURN "Program Hanya bisa hingga jutaan"

Koding

function terbilang(x){

let satuan = ['', 'satu', 'dua', 'tiga', 'empat', 'lima', 'enam', 'tujuh', 'delapan', 'sembilan'];

let belasan = ['sepuluh', 'sebelas', 'dua belas', 'tiga belas', 'empat belas', 'lima belas', 'enam belas', 'tujuh belas', 'delapan belas', 'sembilan belas'];

let puluhan = ['', 'sepuluh', 'dua puluh', 'tiga puluh', 'empat puluh', 'lima puluh', 'enam puluh', 'tujuh puluh', 'delapan puluh', 'sembilan puluh'];

console.log(x)

if(x < 10){

return satuan[x]

} else if( x < 20){

return belasan[x-10]

} else if(x < 100){

return puluhan[Math.floor(x/10)] + " " + satuan[ x % 10]

} else if(x < 1000){

return satuan[Math.floor(x /100)] + " ratus " + terbilang(x % 100)

} else if( x < 1000000 ){

return terbilang(Math.floor(x / 1000)) + " ribu " + terbilang(x % 1000)

} else {

return "Program Hanya bisa hingga jutaan"

}

}

let x = 2234;

console.log(terbilang(x))