```
۵ - عدد بازی
Y \leftarrow random (1,10)
Int father_hand \leftarrow Y + random(1,10);
Print (Y);
Int person_hand \leftarrow random(1,10) + random (1,10);
Int AdadBas \leftarrow 0;
      While (father_hand < 21 && person_hand < 21
                                                                 &&
                                                                        Adadbas=0)
      Input x;
            If (x = 0)
                   Adadbas ++
            If (x=1)
                   Person_hand = Person_hand + random(1,10)
                   Print( person_hand )
Print( father_hand )
Print( person hand )
If ( father_hand = person_hand )
      { print (the game is draw) }
Else If (father_hand = 21 | | person_hand > 21 )
      { print (Father wins)}
Else If (person_hand = 21 | | father_hand>21 )
      { print (Person wins) }
Else If ( father_hand > person_hand )
      { print (Person wins) }
Else If ( father_hand = person_hand )
      { print (the game is draw) }
Else
      { print (Person wins) }
```

## ٤- تغيير مبنا (تبديل به مبنای ١٠)

```
Logic
                                                                                                             JavaScript v English
            set a v to 11
Loops
Math
            set b v to 2
                                                                                                              var a, b, pow, sum;
            set pow v to 1
Text
                                                                                                            a = 11;

b = 2;

pow = 1;

sum = 0;

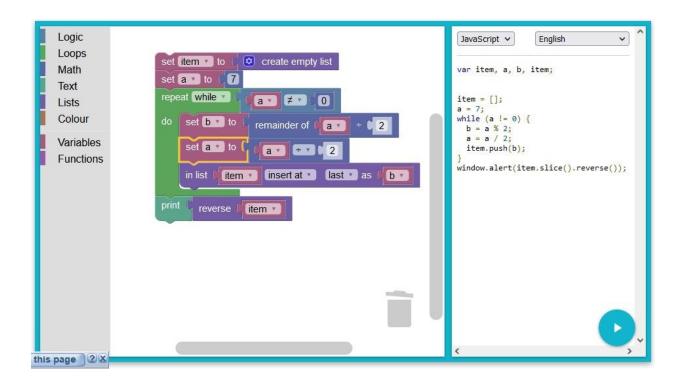
while (a > 0) {

sum = sum + pow * (a % 10);

pow = pow * b;

a = a - (a % 10) / a;
Lists
            set sum v to 0
Colour
             repeat while v av >v 0
Variables
            do set sum v to sum v + v pow v × v remainder of a v +
Functions
                 set pow v to pow v × v b v
                                                                                                              .
window.alert('sum');
                 setav to lav remainder of av + 10 + v av
              rint " sum "
```

## ٤- تغيير مبنا (مبناى دلخواه)



```
Logic
                set M v to 0
                                                               JavaScript ✔
                                                                           English
                                                                                         ~
Loops
                set S to 0
Math
                                                               var M, S, H;
                set H v to 0
Text
                repeat 24 times
                                                               Lists
                do repeat 60 times
Colour
                    do repeat 60 times
Variables
Functions
                        do print M
                                                                   window.alert(H);
                                                                   window.alert(S);
S = S + 1;
                            print (H
                            print S.
                                                                  S = 0;

M = M + 1;
                           set Sv to Sv +v 1
                                                                 M = 0;
H = H + 1;
                       set S to 0
                       set Mv to Mv +v 1
                    set M to 0
                    set HT to HT +T 1
```

## ۲- جا به جایی (swap)

```
Logic
                                                                          JavaScript ✔
                                                                                        English
                                                                                                        ~
                  set a to 20
Loops
                  set b to 10
Math
                                                                          var a, b, temp;
                  if ( av >v bv
Text
                                                                          a = 20;
Lists
                  do set temp to a
                                                                         b = 10;
if (a > b) {
Colour
                       set a v to b v
                                                                           temp = a;
                                                                           a = b;
b = temp;
                      set b to temp
Variables
Functions
                  print (a ·
                                                                          window.alert(a);
                                                                          window.alert(b);
                  print b
```

## ۱. ب. م. م

