



THE ITERATIVE PROCESS

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THE ITERATIVE PROCESS

CODE SEGMENTS AND OUTPUT ACTIVITY

Read each code segment and write the output.

CODE SEGMENT 1

```
var1 ← 6
REPEAT 3 TIMES {
    var1 ← var1 + 5
}
DISPLAY (var1)
```

CODE SEGMENT 1 OUTPUT (write answer below)

CODE SEGMENT 2

```
var1 ← 3
REPEAT 5 TIMES {
    var1 ← var1 * 2
}
DISPLAY (var1)
```

CODE SEGMENT 2 OUTPUT (write answer below)



CODE SEGMENT 3

```
var1 ← -2
REPEAT 4 TIMES {
    var1 ← var1*(-1)
}
DISPLAY (var1)
```

CODE SEGMENT 3 OUTPUT (write answer below)

CODE SEGMENT 4

```
var1 ← 3
var2 ← 8
var3 ← 2
REPEAT var1 TIMES {
    var2 ← var2 + var3
}
DISPLAY (var2)
```

CODE SEGMENT 4 OUTPUT (write answer below)



CODE SEGMENT 5

```
var1 ← "AP CSP"
count ← 0
FOR EACH letter IN var1 {
  count ← count + 1
  IF (letter = "P") {
    DISPLAY (count)
  }
}
```

CODE SEGMENT 5 OUTPUT (write answer below)

CODE SEGMENT 6

```
var1 ← "Michigan"
var2 ← "h"
count ← 0
FOR EACH letter IN var1 {
  IF (letter = var2) {
    count ← count + 1
  }
}
IF (count > 0) {
  DISPLAY ("h is found in the word!")
}
ELSE {
  DISPLAY ("Not found.")
}
}
```

CODE SEGMENT 6 OUTPUT (write answer below)



CODE SEGMENT 7

```
var1 ← "Michigan"
var2 ← "t"
count ← 0
FOR EACH letter IN var1 {
  IF (letter = var2) {
    count ← count +1
  }
}
IF (count > 0) {
  DISPLAY ("t is found in the word!")
}
ELSE {
  DISPLAY ("Not found.")
}
```

CODE SEGMENT 7 OUTPUT (write answer below)



CODE SEGMENT 8

```
var1 ← "Michigan"
var2 ← "i"
count ← 0
FOR EACH letter IN var1 {
  IF (letter = var2) {
    count ← count + 1
  }
}
IF (count > 0) {
  DISPLAY (var2 + " is found in the word " + count + " times.")
}
ELSE {
  DISPLAY ("Not found.")
}
```

CODE SEGMENT 8 OUTPUT (write answer below)

CODE SEGMENT 9

```
var1 ← "She Sells Sea Shells"
new ← ""
FOR EACH letter IN var1 {
  count ← count + 1
  IF (letter = "S") {
    new ← new + "$"
  }
  ELSE {
    new ← new + letter
  }
}
DISPLAY (var1)
```



CODE SEGMENT 9 OUTPUT (write answer below)

WHAT TO SUBMIT

Students should turn in their paper for grading and/or verification of completion.

