



BASIC Stamp 2

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BACKGROUND

What is BASIC Stamp 2?

- The BASIC Stamp 2 serves as the brains inside of electronics projects and applications that require a programmable microcontroller.
- It is able to control and monitor timers, keypads, motors, sensors, switches, relays, lights, and more.
- Programming is performed in an easy-to-learn language called PBASIC

Blinking LED Project

- Simple Code made in PBASIC used to make a LED Blink.

- Code USED:

DO

High 0

Pause 1000

Low 0

Pause 1000

loop

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The “Heart Beat”

- In this project we demonstrated the use of a LOOP function.
- We made the LED blink in twos to symbolize a heart beat.
- Code USED:

High 0

Pause 1000

Low 0

Pause 1000

DO

High 0

Pause 1000

Low 0

Pause 1000

loop



“The Light Chaser”

- Code USED:
 - `{ $STAMP BS2 }`
 - `{ $PBASIC 2.5 }`
 - HIGH 0
 - HIGH 1
 - HIGH 2
 - HIGH 3
 - HIGH 4
 - HIGH 5
 - HIGH 6
 - HIGH 7
 - HIGH 8
 - HIGH 9
 - PAUSE 500
 - LOW 0
 - LOW 1
 - LOW 2
 - LOW 3
 - LOW 4
 - LOW 5
 - LOW 6
 - LOW 7
 - LOW 8
 - LOW 9
 - DO
- Contiunued:
 - HIGH 0
 - HIGH 9
 - PAUSE 50
 - LOW 0
 - LOW 9
 - HIGH 1
 - HIGH 8
 - PAUSE 50
 - LOW 1
 - LOW 8
 - HIGH 2
 - HIGH 7
 - PAUSE 50
 - LOW 2
 - LOW 7
 - HIGH 3
 - HIGH 6
 - PAUSE 50
 - LOW 3
 - LOW 6
 - HIGH 4
 - HIGH 5
 - PAUSE 50
- Contiued:
 - LOW 4
 - LOW 5
 - HIGH 3
 - HIGH 6
 - PAUSE 50
 - LOW 3
 - LOW 6
 - HIGH 2
 - HIGH 7
 - PAUSE 50
 - LOW 2
 - LOW 7
 - HIGH 1
 - HIGH 8
 - PAUSE 50
 - LOW 1
 - LOW 8
 - HIGH 0
 - HIGH 9
 - PAUSE 50
 - LOOP

