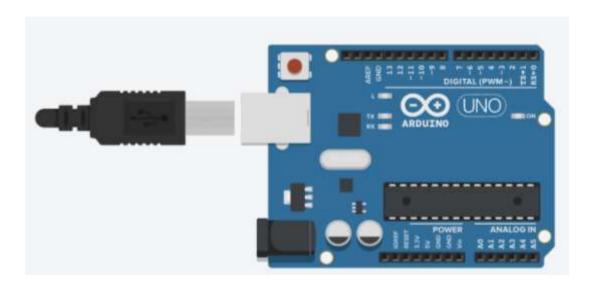


#### SISTEMA DE INFORMAÇÃO

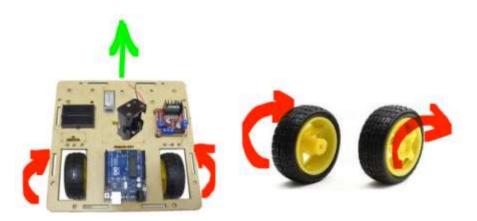
MODELOS E ESTRUTURA DE COMPUTADORES

PROF. SANDRO A. FERRAZ, PhD

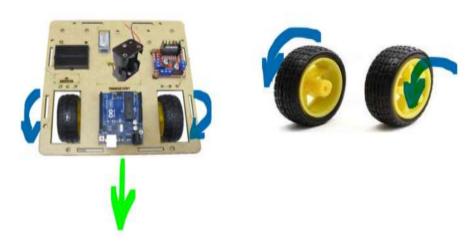
# ESCREVENDO O PROGRAMA DO ARDUINO



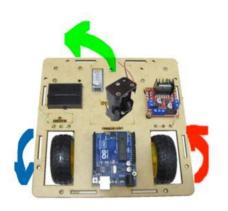
#### **Frente**



#### Trás



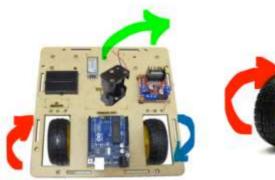
#### Esquerda



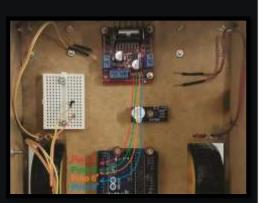




#### **Direita**







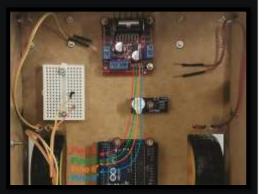


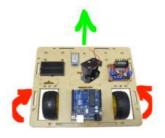
Pino	6	9	Motor	Pino	3	5	Motor
Valor escrito	0	0	Parado	Valor escrito	0	0	Parado
Valor escrito	1 - 255	0	Para frente	Valor escrito	1 - 255	0	Para frente
Valor escrito	0	1 - 255	Para trás	Valor escrito	0	1 - 255	Para trás

#### No código:

#### Efeito:

analogWrite (3, 0); analogWrite (5, 0);	Motor direito parado.
analogWrite (3, 128); analogWrite (5, 0);	Motor direito para frente com aproximadamente metade da potência.
analogWrite (3, 0); analogWrite (5, 128);	Motor direito para trás com aproximadamente metade da potência.









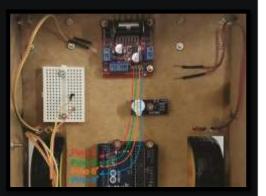
	Pino	6	9	Motor
	Valor escrito	0	0	Parado
>	Valor escrito	1 - 255	0	Para frente
	Valor escrito	0	1 - 255	Para trás

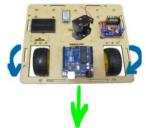
Pino	3	5	Motor
Valor escrito	0	0	Parado
Valor escrito	1 - 255	0	Para frente
Valor escrito	0	1 - 255	Para trás

#### No código:

#### Efeito:

analogWrite (3, 0); analogWrite (5, 0);	Motor direito parado.
analogWrite (3, 128); analogWrite (5, 0);	Motor direito para frente com aproximadamente metade da potência.
analogWrite (3, 0); analogWrite (5, 128);	Motor direito para trás com aproximadamente metade da potência.











Pino	6	9	Motor
Valor escrito	0	0	Parado
Valor escrito	1 - 255	0	Para frente
Valor escrito	0	1 - 255	Para trás

Pino	3	5	Motor
Valor escrito	0	0	Parado
Valor escrito	1 - 255	0	Para frente
Valor escrito	0	1 - 255	Para trás

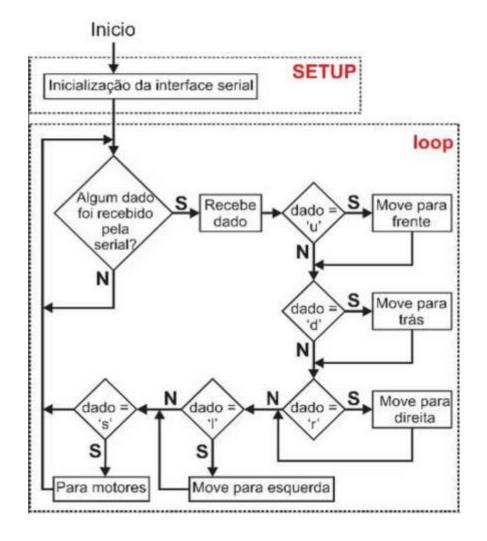


#### No código:

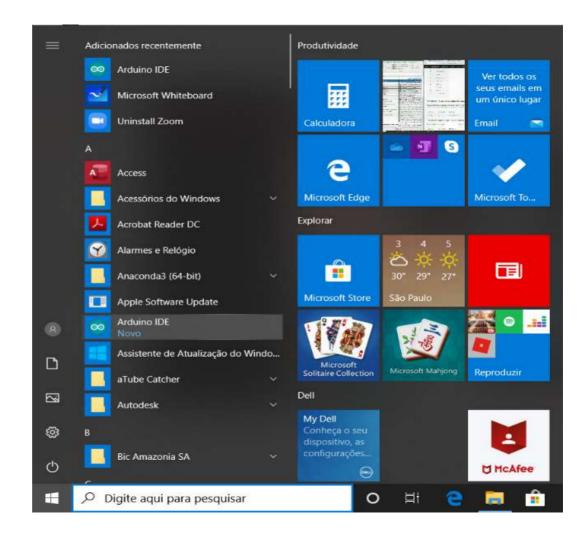
#### Efeito:

analogWrite (3, 0); analogWrite (5, 0);	Motor direito parado.
analogWrite (3, 128); analogWrite (5, 0);	Motor direito para frente com aproximadamente metade da potência.
analogWrite (3, 0); analogWrite (5, 128);	Motor direito para trás com aproximadamente metade da potência.

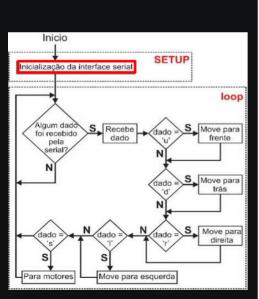
# GRADUAÇÃO FLUXOGRAMA DO PROGRAMA

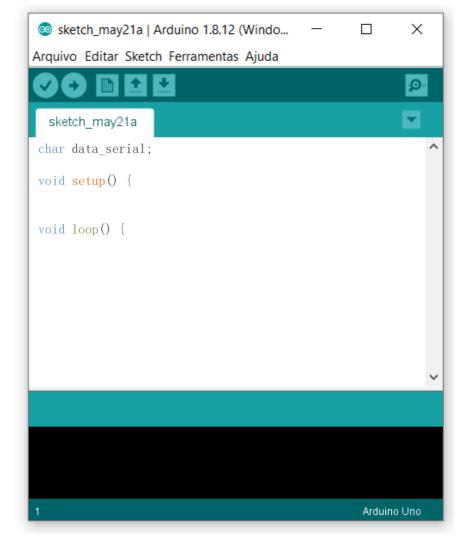


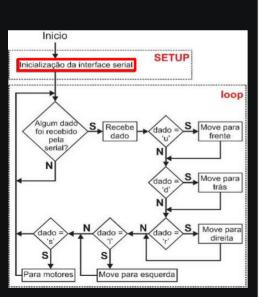
# GRADUAÇÃO ABRINDO O ARDUINO IDE

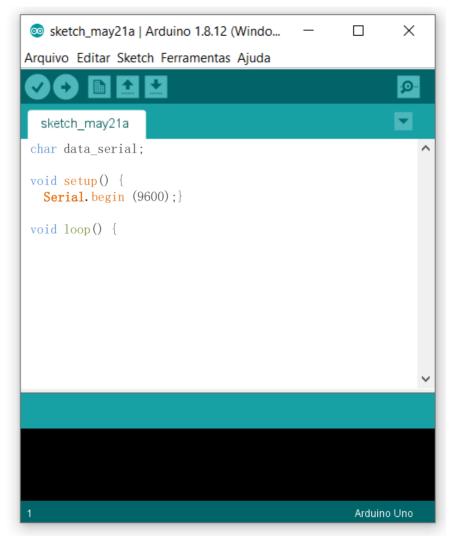


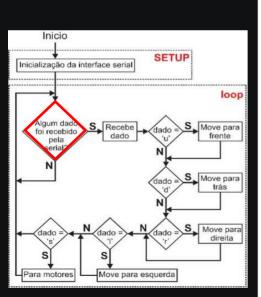


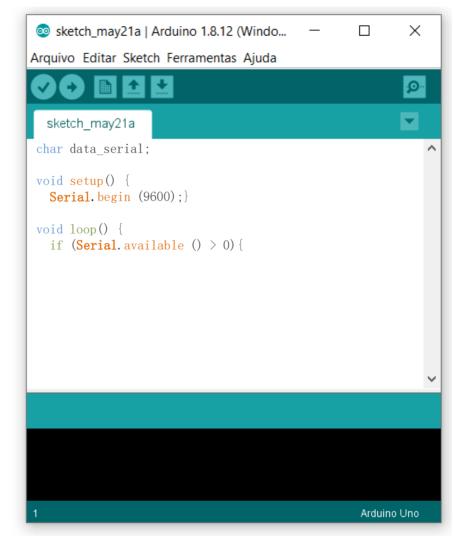


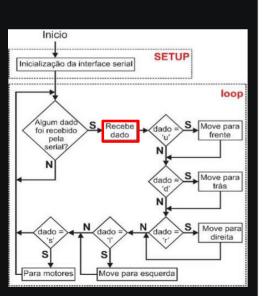


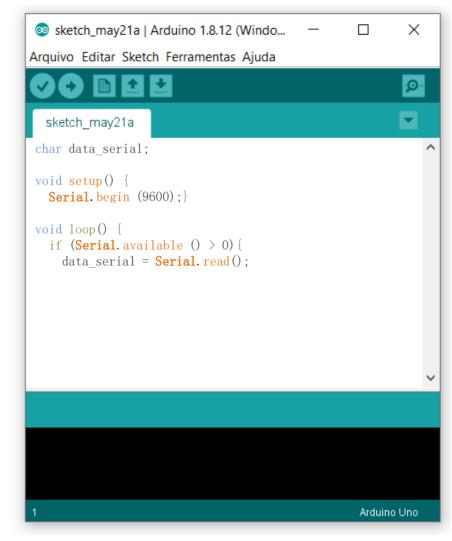


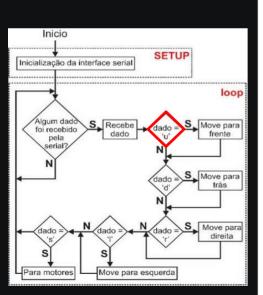


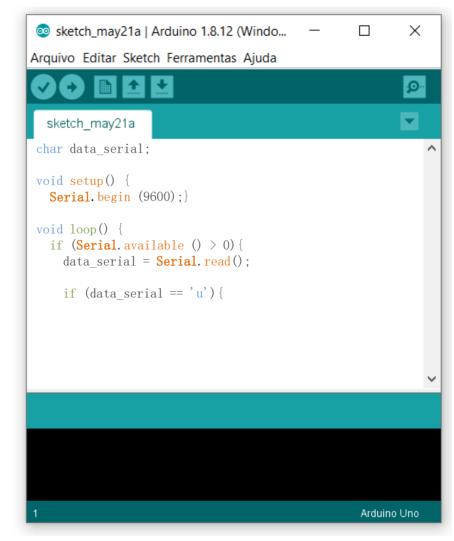


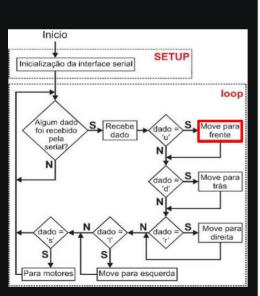


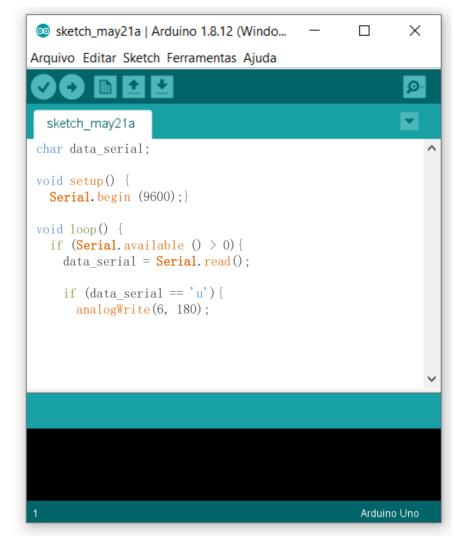


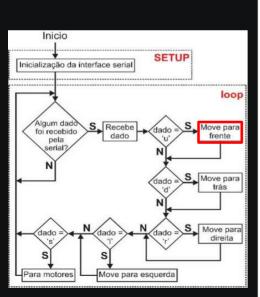


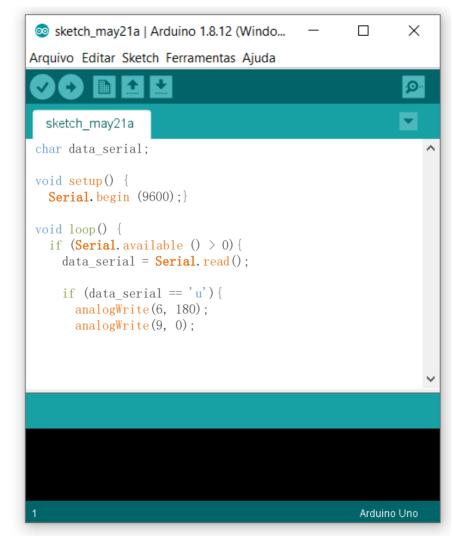


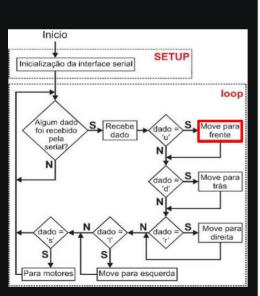


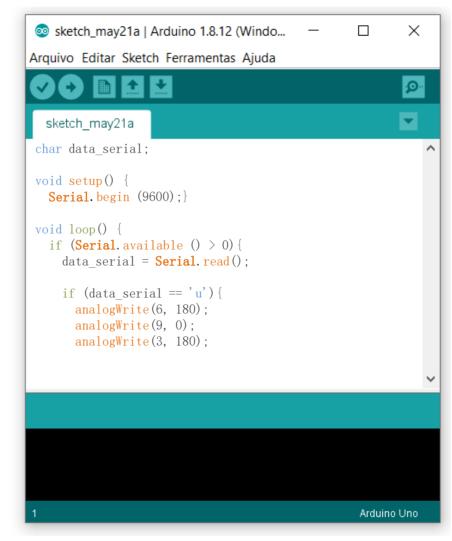


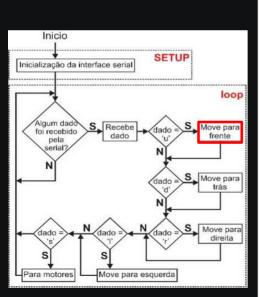


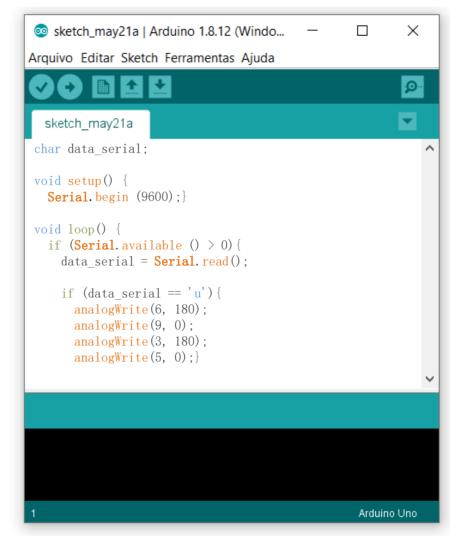


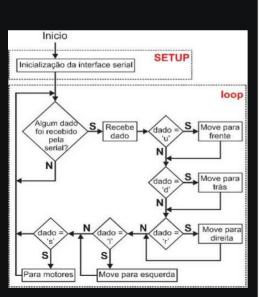


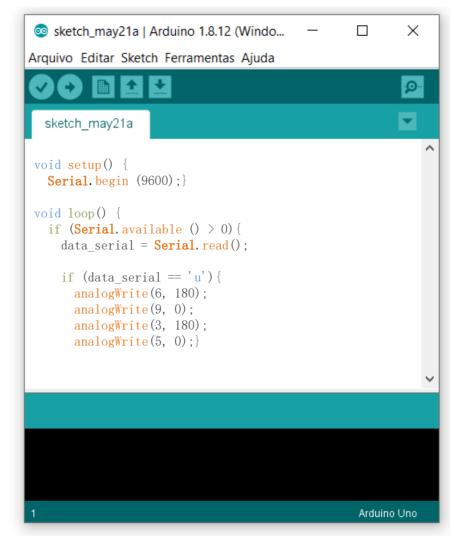


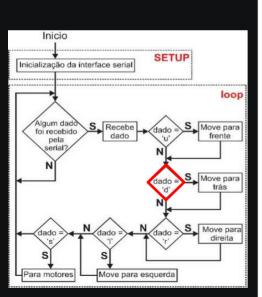


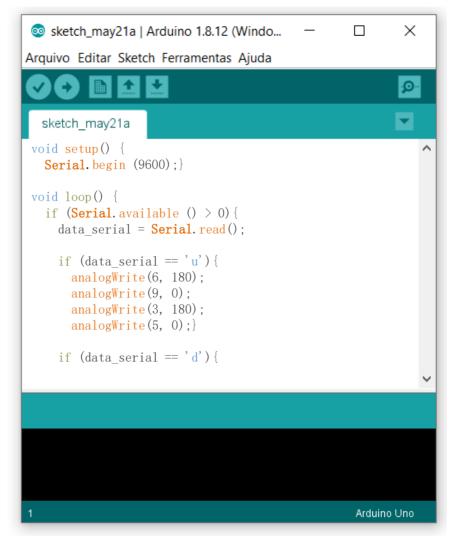


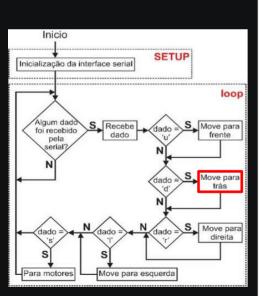




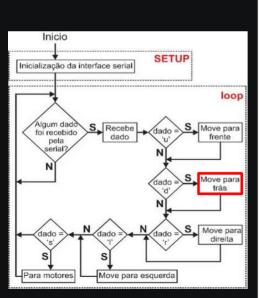


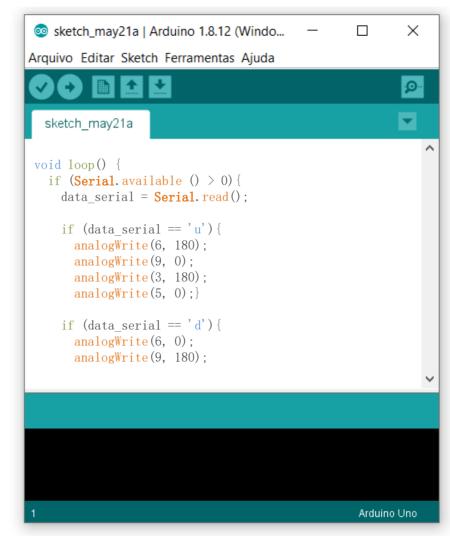


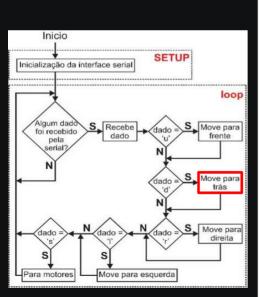




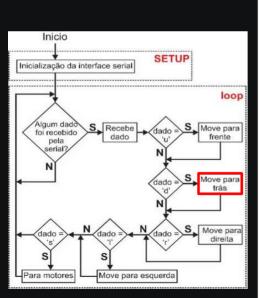


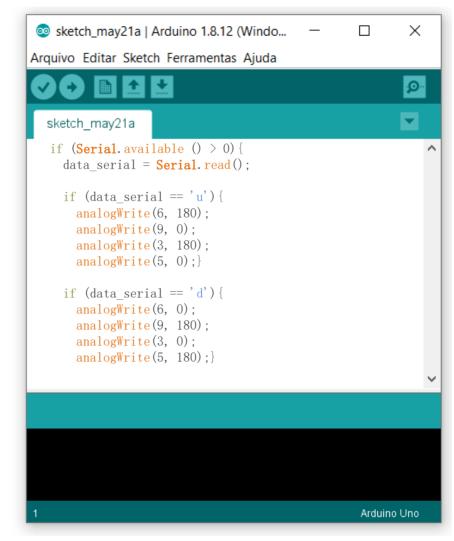


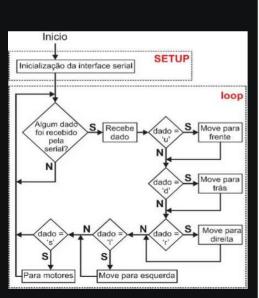




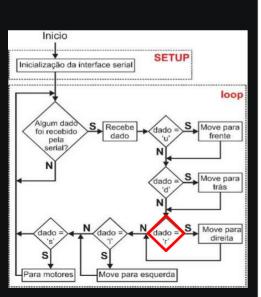


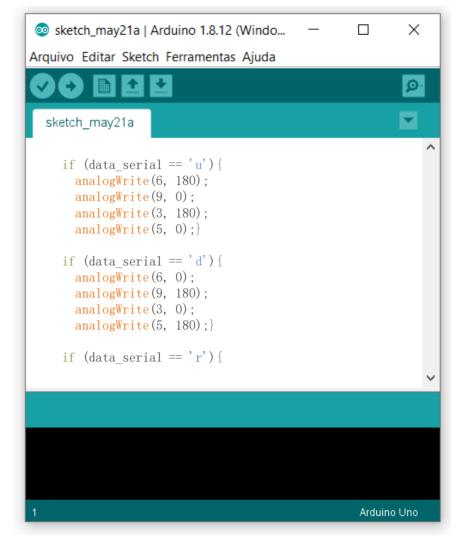


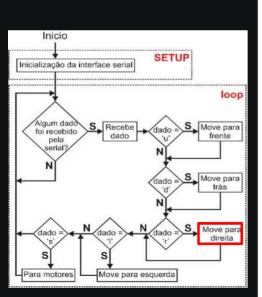


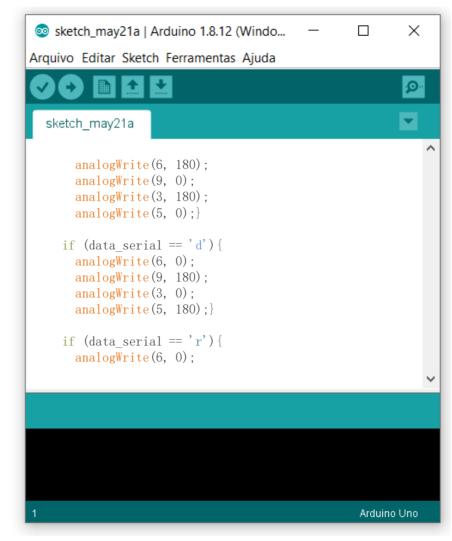


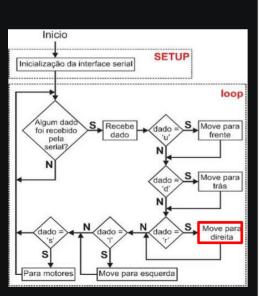


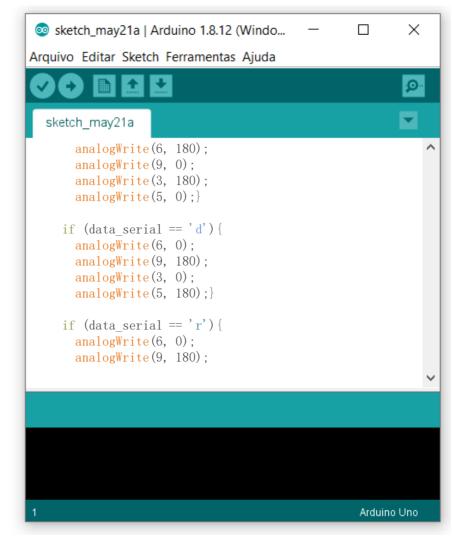


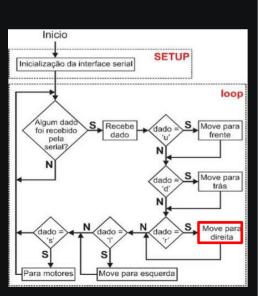




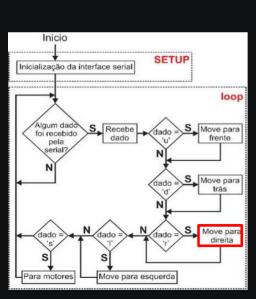


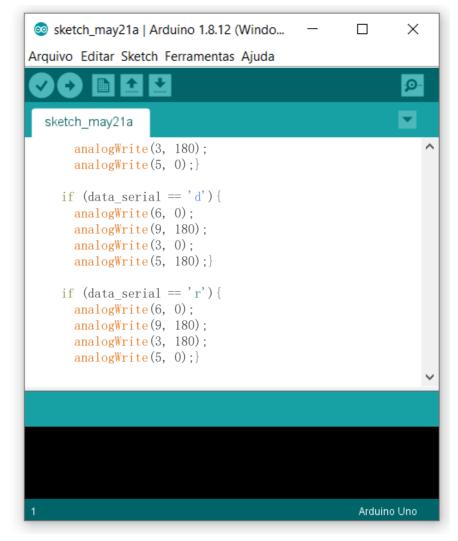


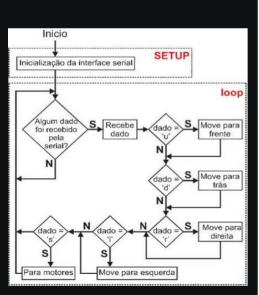


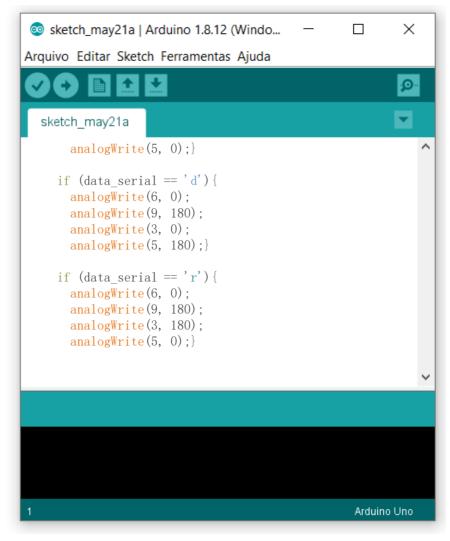




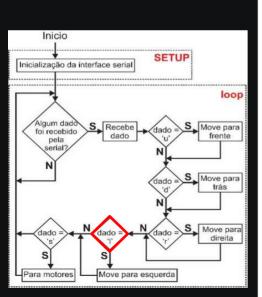


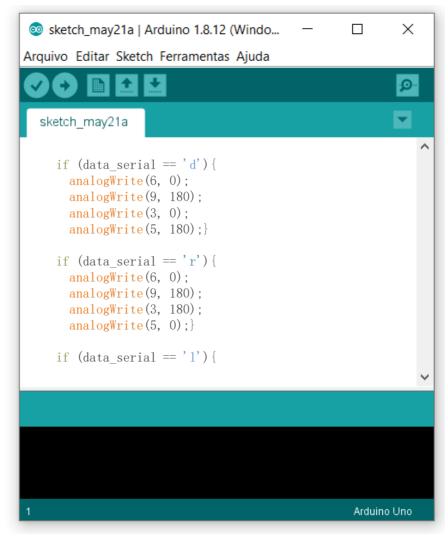


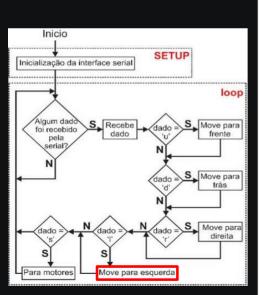


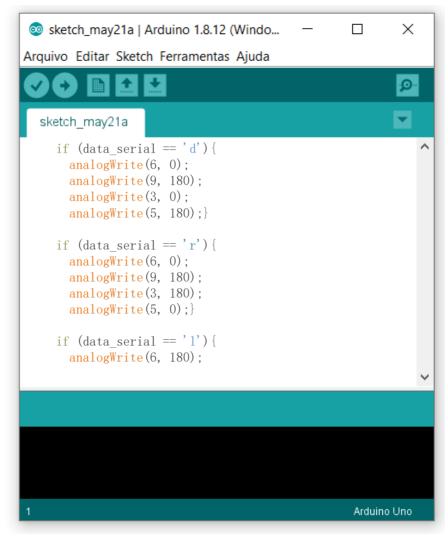


## GRADUAÇÃO ARDUINO IDE

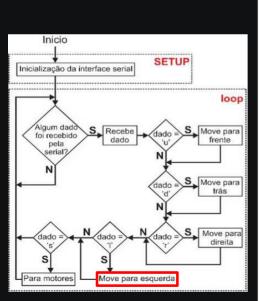


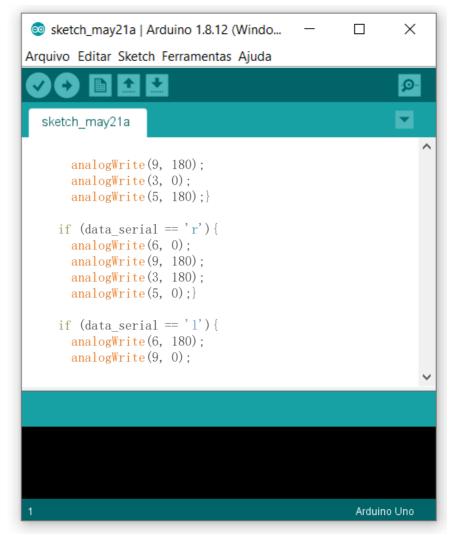


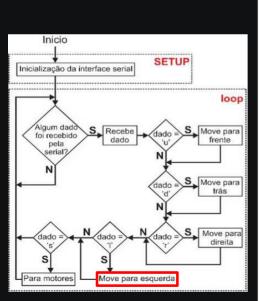


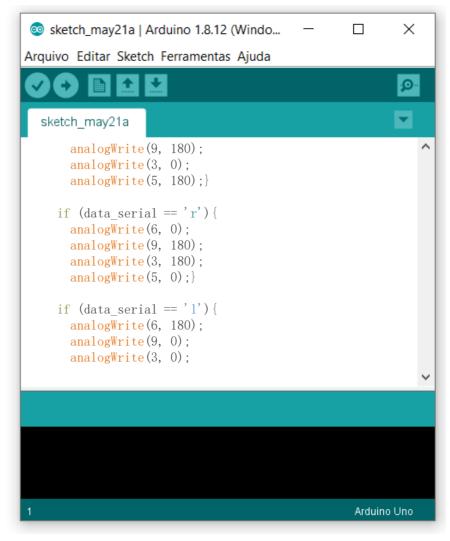


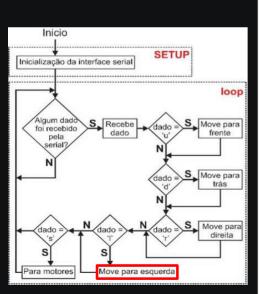
## GRADUAÇÃO ARDUINO IDE

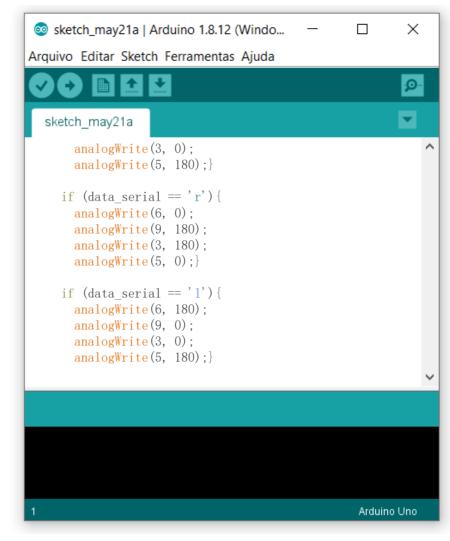




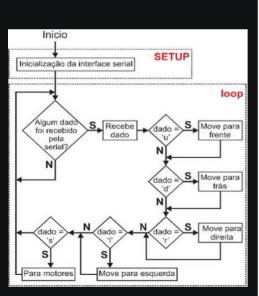


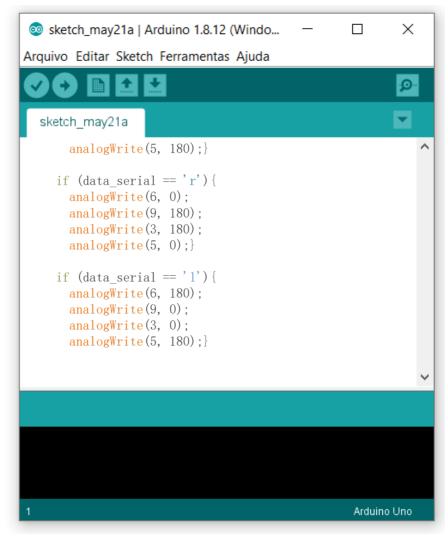


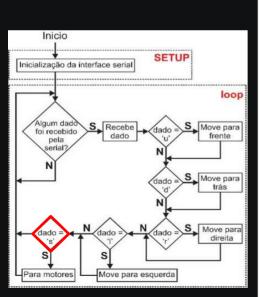


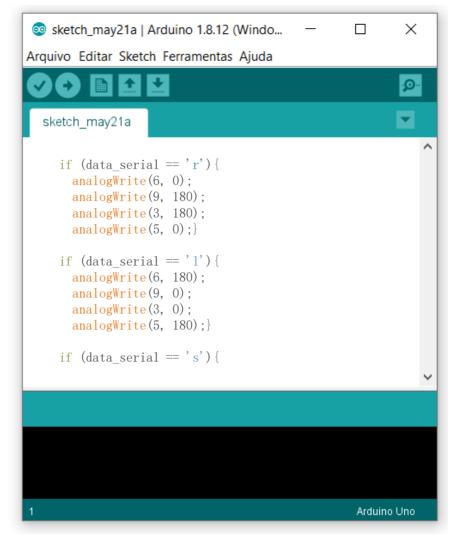


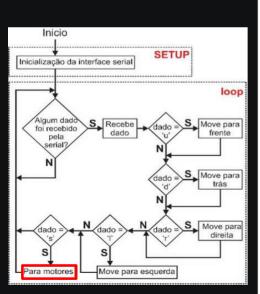
## GRADUAÇÃO ARDUINO IDE

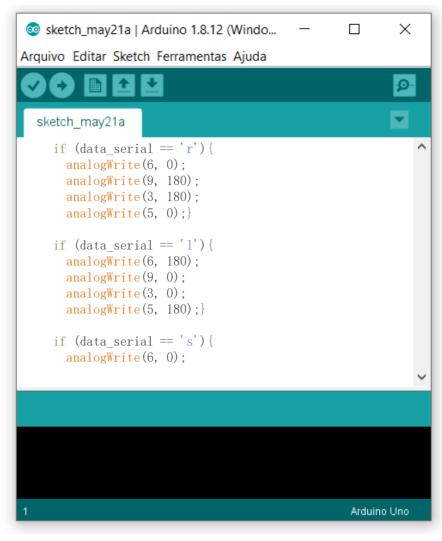


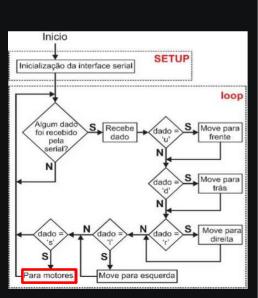




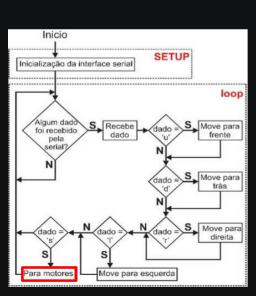


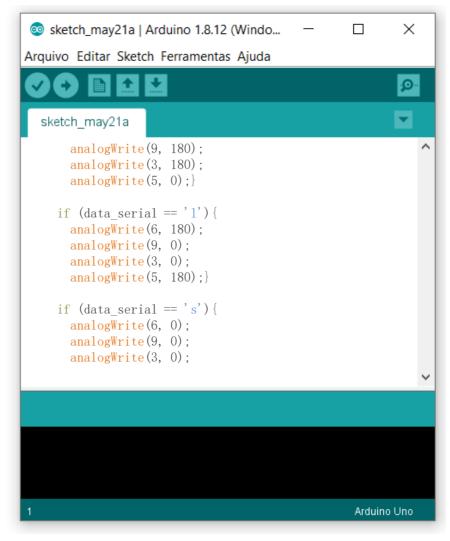


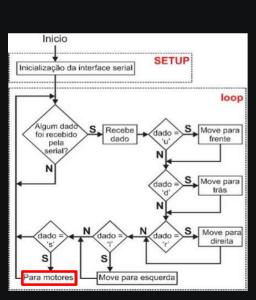


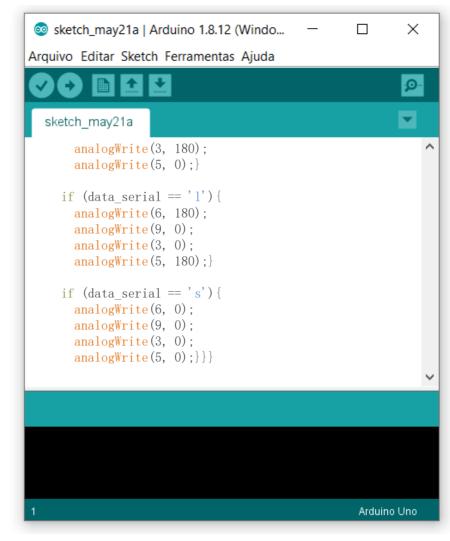










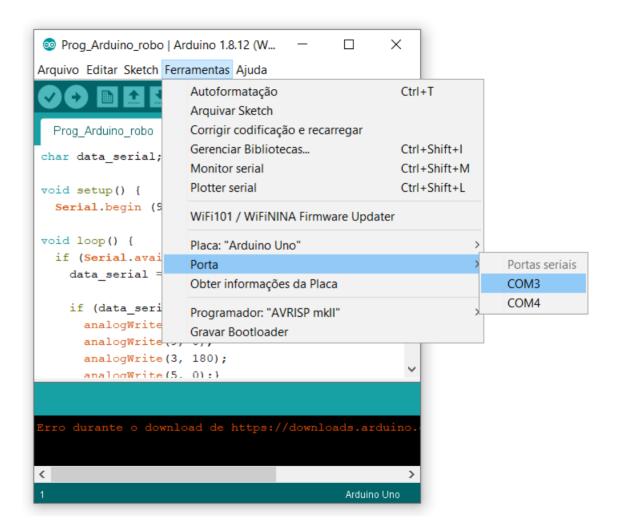


## PASSANDO O PROGRAMA PARA O ARDUINO

# GRADUAÇÃO LIGANDO O ARDUINO NO COMPUTADOR



# GRADUAÇÃO PASSANDO O PROGRAMA PARA O ARDUINO



# GRADUAÇÃO PASSANDO O PROGRAMA PARA O ARDUINO





FI/P

#### Copyright © 2021 Prof. Sandro A. Ferraz

Todos direitos reservados. Reprodução ou divulgação total ou parcial deste documento é expressamente proíbido sem o consentimento formal, por escrito, do Professor (autor).