## Imagens

Responsável deve solicitar fotos dos integrantes do grupo.

# Código Julia W. (Integrantes)

<!DOCTYPE html>

<html lang="pt-br">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Integrantes</title>

<link rel="stylesheet" href="int.css">

<link rel="shortcut icon" href="logoconc.png" type="image/x-icon">

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.3.0/css/all.min.css" integrity="sha512-SzlrxWUlpfuzQ+pcUCosxcglQRNAq/DZjVsC0lE40xsADsfeQoEypE+enwcOiGjk/bSuGGKHEyjSoQ1zVisanQ==" crossorigin="anonymous" referrerpolicy="no-referrer" />

<link rel="shortcut icon" href="robot-solid (1).svg" type="image/x-icon">

<link href='https://fonts.googleapis.com/css?family=Abel' rel='stylesheet'>

<link href='https://fonts.googleapis.com/css?family=' rel='stylesheet'>

<link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Rancho&effect=shadow-multiple|3d-float|fire|neon|3d">

<link rel="stylesheet" href="https://fonts.googleapis.com/css2?family=Poppins:wght@500&display=swap">

</head>

<body>

<header id="logoh">

<div class="logoprincipal">

<div class="logo">

<img src="logoconc.png" alt="code" class="logoconc" title="Programação do Robô Seguidor de Linha">

</div>

<h1 class="logotitle font-effect-3d-float" title="Avaliação - PAC">

Programação do Robô Seguidor de Linha

</h1>

</header>

<nav id="nav">

<div class="navlist">

<div>

<a href="int.html" title="Integrantes" class="navint">Integrantes</a>

</div>

<div>

<a href="conceito.html" title="Conceito" class="navconc">Conceito</a>

</div>

<div>

<a href="prog.html" title="Programação" class="navprog">Programação</a>

</div>

<div>

<a href="ling.html" title="Linguagens" class="navling">Linguagens</a>

</div>

<div>

<a href="ref.html" title="Referências Bibliográficas" class="navref">Referências</a>

</div>

<div class="naviconslist">

<div class="yt">

<a href="https://www.youtube.com" class="yta" target="\_blank">

<i class="fa-brands fa-youtube" title="YouTube"></i>

</a>

</div>

<div class="insta">

<a href="https://www.instagram.com" class="instaa" target="\_blank">

<i class="fa-brands fa-instagram" title="Instagram"></i>

</a>

</div>

<div class="linkedin">

<a href="https://www.linkedin.com" class="linkedina" target="\_blank">

<i class="fa-brands fa-linkedin" title="LinkedIn"></i>

</a>

</div>

</div>

</div>

</nav>

<section id="principal">

<div class="display-flex justificar-entre tamanho-total">

<div class="display-flex direcao-layout-coluna alinhar-centro">

<div class="display-flex">

<div id="orbs1" class="circulo">

<img src="y.jpg" alt="orbs1" class="c1">

</div>

<div id="orbs2" class="circulo margem-esquerda-5">

<img src="julia.jpg" alt="orbs2" class="c2">

</div>

</div>

<h3 class="letra3">Programadores</h3>

<div class="display-flex justificar-entre" style="width: 100%">

<div id="orbs1" class="">

<p class="letra-y">Meu nome é Yuri tenho <br>22 anos e contribui com<br> a parte de programação<br> do site.</p>

</div>

<div id="orbs2" class=" margem-esquerda-5 exemplo">

<p class="letra-h">Meu nome é Julia Hille,<br> tenho 18 anos e ajudei<br> na parte do código <br>do site.</p>

</div>

</div>

</div>

<div class="display-flex direcao-layout-coluna alinhar-centro ">

<div id="orbsCentral" class="circulo">

<img src="laura.jpg" alt="orbsC" class="c3">

</div>

<h3 class="letra2">Líder</h3>

<p class="letra-l">Meu nome é Laura<br> Luchez, tenho 17 anos e sou <br> a líder do grupo, auxiliei<br> na área de desenvolvimento<br>do site.</p>

</div>

<div class="display-flex direcao-layout-coluna alinhar-centro">

<div class="display-flex">

<div id="orbs3" class="circulo">

<img src="rihan.jpg" alt="orbs5" class="c6">

</div>

<div id="orbs4" class="circulo margem-esquerda-5">

<img src="jj.jpg" alt="orbs4" class="c5">

</div>

<div id="orbs5" class="circulo margem-esquerda-5">

<img src="matheus.jpg" alt="orbs5" class="c4">

</div>

</div>

<div>

<h2 class="letra">Designers</h2>

<div class="display-flex justificar-entre text-align " style="width: 100%">

<div id="orbs4" class="margem-esquerda-5">

<p class="letra-r">Meu nome é Rihan<br> Kayke, tenho 18 anos<br> e sou um dos designers<br> do site, fiz a parte<br> de prototipagem.</p>

</div>

<div id="orbs5" class="margem-esquerda-5">

<p class="letra-j">Meu nome é Julia<br>Weiller, tenho <br> 18 anos e ajudei<br> tanto no design <br>quanto nos códigos.</p>

</div>

<div id="orbs6" class="margem-esquerda-5 ">

<p class="letra-m">Me chamo Matheus<br> Lorenzetti,tenho 18<br> anos e ajudei na<br> parte da pesquisa<br> do robô.<br></p>

</div>

</div>

</div>

<div class="arrow">

<a href="conceito.html">

<img src="rightarrow.png" alt="arrow" class="rarrow">

</a

</div>

</section>

<footer id="concfooter">

Programação do Robô Seguidor de Linha &copy; 2023 | PAC - Engenharia de Software

</footer>

</body>

</html>

## CSS

Responsável deve colocar o código de estilização aqui e, caso não consiga colocar o cabeçalho e o rodapé iguais as demais páginas, solicitar ajuda à equipe.

OBS: Arrumar a seta, deve ficar à direita

@charset "UTF-8";

body {

margin: 0%;

padding: 0%;

font-family: 'Poppins', sans-serif;

font-size: 15px;

text-align: justify;

background-color: #e8fff9;

width: 100vw;

}

.logo {

display: flex;

justify-content: center;

}

.logoconc {

width: 50px;

margin-top: 1%;

}

#logoh {

background-color: #424242;

display: flex;

justify-content: center;

width: 100%;

}

.logotitle {

font-family: 'Poppins', 'Trebuchet MS', 'Lucida Sans Unicode', 'Lucida Grande', 'Lucida Sans', Arial, sans-serif;

color: #72B5A4;

margin: 0%;

padding: 1%;

display: flex;

justify-content: center;

width: 100%;

}

.nav {

width: 100vw;

}

.navlist {

background-color: #595757;

display: flex;

justify-content: space-between;

justify-content: space-around;

justify-content: space-evenly;

flex-direction: row;

align-items: flex-end;

align-items: baseline;

box-shadow: black 0px 5px 10px;

list-style: none;

display: flex;

}

.navint {

text-decoration: none;

font-family: 'Abel';

font-size: 22px;

font-weight: bold;

color: #ffffff;

display: block;

padding: 1rem;

position: relative;

}

.navint:hover {

color: #000000;

}

.navint::after {

content: '';

position: absolute;

bottom: 1rem;

left: 0;

width: 100%;

height: 3px;

background: #F05156;

transition: all 300ms ease-in-out;

border-radius: 10px;

bottom: -0px;

transition: 0.3s;

}

.navint:hover::after {

content: '';

position: absolute;

bottom: 1rem;

left: 0%;

width: 0%;

height: 3px;

background: #F05156;

transition: all 300ms ease-in-out;

border-radius: 10px;

bottom: -0px;

transition: 0.3s;

}

.navconc {

text-decoration: none;

font-family: 'Abel';

font-size: 22px;

font-weight: bold;

color: black;

display: block;

padding: 1rem;

position: relative;

}

.navconc:hover {

color: #ffffff;

}

.navconc::after {

content: '';

position: absolute;

bottom: 1rem;

left: 0;

width: 0;

height: 3px;

background: #F05156;

transition: all 300ms ease-in-out;

border-radius: 10px;

bottom: -0px;

transition: 0.3s;

}

.navconc:hover::after {

width: 100%;

left: 0;

}

.navprog {

text-decoration: none;

font-family: 'Abel';

font-size: 22px;

font-weight: bold;

color: black;

display: block;

padding: 1rem;

position: relative;

}

.navprog:hover {

color: #ffffff;

}

.navprog::after {

content: '';

position: absolute;

bottom: 1rem;

left: 0;

width: 0;

height: 3px;

background: #F05156;

transition: all 300ms ease-in-out;

border-radius: 10px;

bottom: -0px;

transition: 0.3s;

}

.navprog:hover::after {

width: 100%;

left: 0;

}

.navling{

text-decoration: none;

font-family: 'Abel';

font-size: 22px;

font-weight: bold;

color: black;

display: block;

padding: 1rem;

position: relative;

}

.navling:hover {

color: #ffffff;

}

.navling::after {

content: '';

position: absolute;

bottom: 1rem;

left: 0;

width: 0;

height: 3px;

background: #F05156;

transition: all 300ms ease-in-out;

border-radius: 10px;

bottom: -0px;

transition: 0.3s;

}

.navling:hover::after {

width: 100%;

left: 0;

}

.navref {

text-decoration: none;

font-family: 'Abel';

font-size: 22px;

font-weight: bold;

color: black;

display: block;

padding: 1rem;

position: relative;

}

.navref:hover {

color: #ffffff;

}

.navref::after {

content: '';

position: absolute;

bottom: 1rem;

left: 0;

width: 0;

height: 3px;

background: #F05156;

transition: all 300ms ease-in-out;

border-radius: 10px;

bottom: -0px;

transition: 0.3s;

}

.navref:hover::after {

width: 100%;

left: 0;

}

.naviconslist {

display: flex;

/\* display: flex;

justify-content: flex-end;

justify-content: space-between;

justify-content: space-around;

justify-content: space-evenly; \*/

}

.yta {

text-decoration: none;

color: #000000;

}

.yta:hover {

color: #ff4141;

}

.yt {

padding-right: 55%;

scale: 1.5;

transition: 0.3s;

}

.yt:hover {

scale: 1.4;

transition: 0.3s;

transform: scale(1.4);

}

.instaa {

text-decoration: none;

color: #000000;

}

.instaa:hover {

color: #b637ff;

}

.insta {

padding-right: 45%;

scale: 1.5;

transition: 0.3s;

}

.insta:hover {

scale: 1.4;

transition: 0.3s;

transform: scale(1.4);

}

.linkedina {

text-decoration: none;

color: #000000;

}

.linkedina:hover {

color: #0378A6;

}

.linkedin {

scale: 1.5;

transition: 0.3s;

}

.linkedin:hover {

scale: 1.4;

transition: 0.3s;

transform: scale(1.4);

}

.circulo {

width: 100px;

height: 100px;

border-radius: 10%;

background: #220303;

}

.display-flex {

display: flex;

}

.justificar-entre {

justify-content: space-around;

}

.direcao-layout-coluna {

flex-direction: column;

}

.alinhar-centro {

align-items: center;

}

.margem-esquerda-5 {

margin-left: 40px;

}

.tamanho-total {

width: 100vw;

}

.letra {

font-family: 'Poppins';

margin-top: 7%;

text-align: center;

font-size: 19.5px;

}

.letra:hover {

content: '';

/\* left: 0%;

width: 0%; \*/

background-color: #f16d71;

transition: all 300ms ease-in-out;

border-radius: 10px;

transition: 0.5s;

/\* font-weight: bold;

color: #F05156; \*/

}

.letra2 {

font-family: 'Poppins';

margin-top: 21%;

padding-left: 15%;

padding-right: 15%;

}

.letra2:hover {

content: '';

/\* left: 0%;

width: 0%; \*/

background-color: #f16d71;

transition: all 300ms ease-in-out;

border-radius: 10px;

transition: 0.5s;

/\* font-weight: bold;

color: #F05156; \*/

}

.letra3 {

font-family: 'Poppins';

margin-top: 10%;

padding-left: 20%;

padding-right: 20%;

font-weight: bolder;

}

.letra3:hover {

content: '';

/\* left: 0%;

width: 0%; \*/

background-color: #f16d71;

transition: all 300ms ease-in-out;

border-radius: 10px;

transition: 0.5s;

/\* font-weight: bold;

color: #F05156; \*/

}

.letra-m {

text-align: right;

margin-right: 30px;

}

.letra-h {

text-align: right;

}

.letra-l {

text-align: center;

}

.letra-j {

text-align: center;

}

.c1 {

width: 110px;

height: 110px;

border-radius: 10%;

}

.c2 {

width: 110px;

height: 110px;

border-radius: 10%;

}

.c3 {

width: 110px;

height: 110px;

border-radius: 10%;

}

.c4 {

width: 110px;

height: 110px;

border-radius: 10%;

}

.c5 {

width: 110px;

height: 110px;

border-radius: 10%;

}

.c6 {

width: 110px;

height: 110px;

border-radius: 10%;

}

#principal {

display: flex;

align-items: center;

width: 100%;

height: 100vh;

background: #72B5A4;

background: linear-gradient(180deg, #7699ba 0%, #72B5A4 35%, #ffffff 100%);

/\*7699ba deles

72B5A4 meu\*/

}

.arrow {

position: absolute;

right: 100px;

}

.rarrow {

display: flex;

align-items: center;

justify-content: flex-end;

width: 35px;

transition: 0.3s;

position: absolute;

top: 35px;

}

.rarrow:hover {

scale: 0.9;

transition: 0.3s;

transform: scale(1.4);

}

#concfooter {

font-size: 12px;

color: #ffff;

text-align: center;

background-color: #595757;

/\* margin: auto; \*/

padding-top: 20px;

padding-bottom: 20px;

display: flex;

align-items: flex-end;

justify-content: center;

}

#concfooter:hover {

color: #72B5A4;

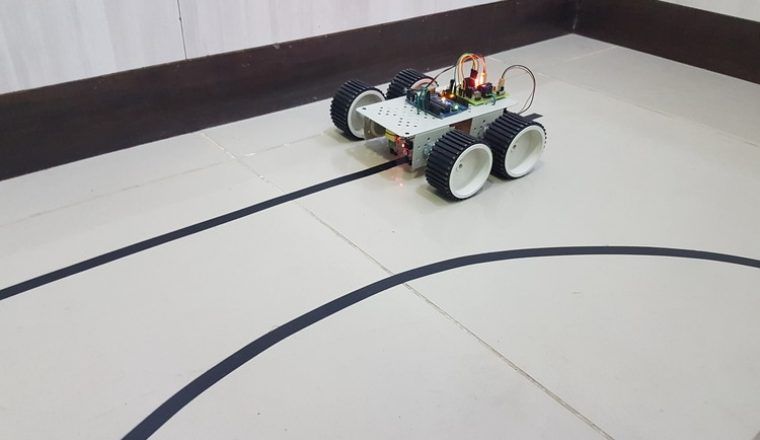
}

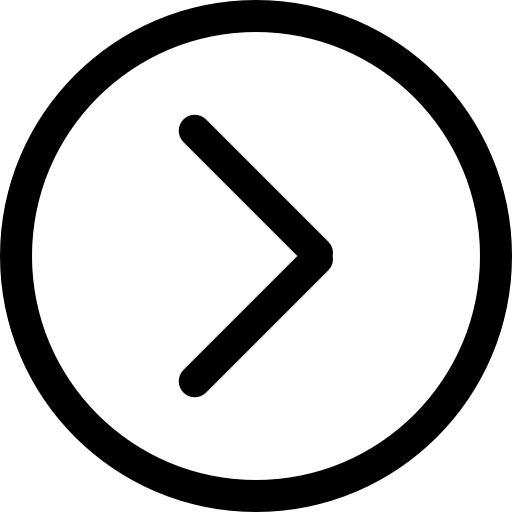
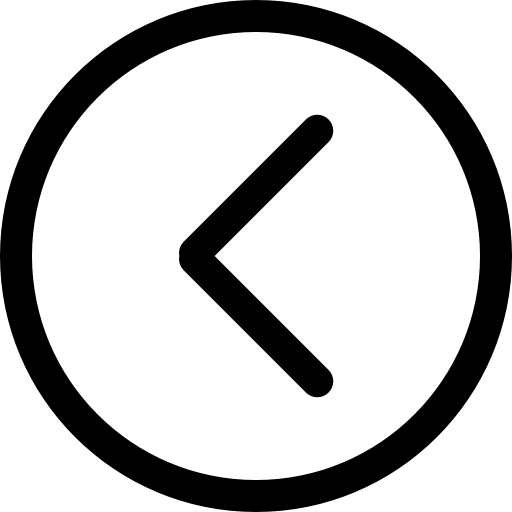
/\* @media screen and (max-width: 1325px){

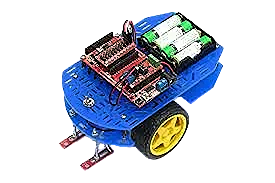
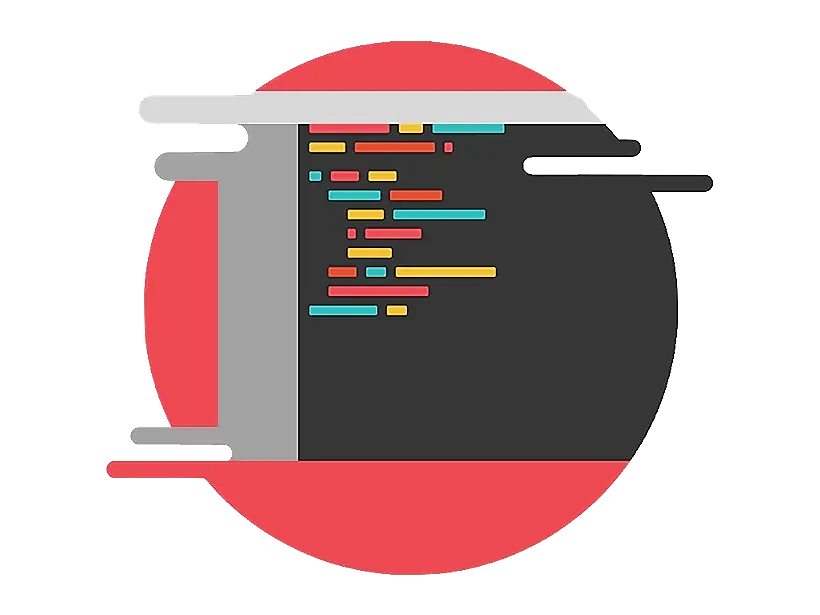
} \*/

# Código Laura (Conceito)

## Imagens







## HTML

<!DOCTYPE html>

<html lang="pt-br">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Conceito</title>

<link rel="stylesheet" href="conceito.css">

<link rel="shortcut icon" href="logoconc.png" type="image/x-icon">

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.3.0/css/all.min.css" integrity="sha512-SzlrxWUlpfuzQ+pcUCosxcglQRNAq/DZjVsC0lE40xsADsfeQoEypE+enwcOiGjk/bSuGGKHEyjSoQ1zVisanQ==" crossorigin="anonymous" referrerpolicy="no-referrer" />

<link rel="shortcut icon" href="robot-solid (1).svg" type="image/x-icon">

<link href='https://fonts.googleapis.com/css?family=Abel' rel='stylesheet'>

<link href='https://fonts.googleapis.com/css?family=' rel='stylesheet'>

<link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Rancho&effect=shadow-multiple|3d-float|fire|neon|3d">

<link rel="stylesheet" href="https://fonts.googleapis.com/css2?family=Poppins:wght@500&display=swap">

</head>

<body>

<header id="logoh">

<div class="logoprincipal">

<div class="logo">

<img src="logoconc.png" alt="code" class="logoconc" title="Programação do Robô Seguidor de Linha">

</div>

<h1 class="logotitle font-effect-3d-float" title="Avaliação - PAC">

Programação do Robô Seguidor de Linha

</h1>

</header>

<nav id="nav">

<div class="navlist">

<div>

<a href="int.html" title="Integrantes" class="navint">Integrantes</a>

</div>

<div>

<a href="conceito.html" title="Conceito" class="navconc">Conceito</a>

</div>

<div>

<a href="prog.html" title="Programação" class="navprog">Programação</a>

</div>

<div>

<a href="ling.html" title="Linguagens" class="navling">Linguagens</a>

</div>

<div>

<a href="ref.html" title="Referências Bibliográficas" class="navref">Referências</a>

</div>

<div class="naviconslist">

<div class="yt">

<a href="https://www.youtube.com" class="yta" target="\_blank">

<i class="fa-brands fa-youtube" title="YouTube"></i>

</a>

</div>

<div class="insta">

<a href="https://www.instagram.com" class="instaa" target="\_blank">

<i class="fa-brands fa-instagram" title="Instagram"></i>

</a>

</div>

<div class="linkedin">

<a href="https://www.linkedin.com" class="linkedina" target="\_blank">

<i class="fa-brands fa-linkedin" title="LinkedIn"></i>

</a>

</div>

</div>

</div>

</nav>

<main id="concmain">

<article id="concarticle">

<section id="concimg">

<div class="imgarrow">

<img src="concimg1.jpg" alt="robo seguidor de linha" class="concimg">

<div class="arrow">

<a href="int.html">

<img src="leftarrow.png" alt="arrow" class="larrow">

</a>

<a href="prog.html">

<img src="rightarrow.png" alt="arrow" class="rarrow">

</a>

<!-- <a href="prog.html">

<img src="" alt="arrow icon">

</a> -->

</div>

<!-- <div class="balls">

<div class="concball">

<a href="conceito.html">

<i class="fa-solid fa-circle"></i>

</a>

</div>

<div class="progball">

<a href="prog.html">

<i class="fa-solid fa-circle"></i>

</a>

</div>

<div class="lingball">

<a href="ling.html">

<i class="fa-solid fa-circle"></i>

</a>

</div>

</div> -->

</div>

</section>

<div style="display: flex;align-items: center; justify-content: center; box-shadow: black 2px 2px 10x;">

<section id="conctxt">

<div>

<p class="conctxt">

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;Robôs seguidores de linha são robôs pré-programados cuja função é, a partir de sua programação, identificar as diferenças de cor ao longo do percurso com a ajuda de sensores, motores, atuadores e microcontroladores. De maneira geral, o robô será programado em certa linguagem e seus sensores irão ler um plano e informar ao microcontrolador tais dados recolhidos, permitindo que o robô tome decisões e tenha “conhecimento” do caminho que deve seguir.

Suas aplicações são vastas, estão presentes principalmente nos ambientes industriais, transportando cargas por toda a fábrica de forma autônoma.

<br>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; Vale destacar que o driver para motores é essencial para o funcionamento do robô, já que ao ligar os motores diretamente nos pinos digitais do Arduino, estes pinos irão queimar - pois a corrente elétrica que os motores precisam para funcionar é maior do que a máxima corrente que os pinos do Arduino conseguem fornecer, um exemplo de driver de motor muito utilizado é a Ponte H.

</p>

</div>

</section>

<aside id="robotimgc">

<div>

<a class="circle" href="/"></a>

</div>

<div>

<img src="robotimg.jpg" alt="seguidor de linha" class="conctxtimg">

</div>

</aside>

</div>

</article>

</main>

<footer id="concfooter">

Programação do Robô Seguidor de Linha &copy; 2023 | PAC - Engenharia de Software

</footer>

</body>

</html>

## CSS

@charset "UTF-8";

body {

margin: 0%;

padding: 0%;

font-family: 'Poppins', sans-serif;

font-size: 15px;

text-align: justify;

background-color: #e8fff9;

width: 100vw;

}

.logo {

display: flex;

justify-content: center;

}

.logoconc {

width: 50px;

margin-top: 1%;

}

#logoh {

background-color: #424242;

display: flex;

justify-content: center;

width: 100%;

}

.logotitle {

font-family: 'Poppins', 'Trebuchet MS', 'Lucida Sans Unicode', 'Lucida Grande', 'Lucida Sans', Arial, sans-serif;

color: #72B5A4;

margin: 0%;

padding: 1%;

display: flex;

justify-content: center;

width: 100%;

}

.nav {

width: 100vw;

}

.navlist {

background-color: #595757;

display: flex;

justify-content: space-between;

justify-content: space-around;

justify-content: space-evenly;

flex-direction: row;

align-items: flex-end;

align-items: baseline;

box-shadow: black 0px 5px 10px;

list-style: none;

display: flex;

}

.navint {

text-decoration: none;

font-family: 'Abel';

font-size: 22px;

font-weight: bold;

color: black;

display: block;

padding: 1rem;

position: relative;

}

.navint:hover {

color: #ffffff;

}

.navint::after {

content: '';

position: absolute;

bottom: 1rem;

left: 0;

width: 0;

height: 3px;

background: #F05156;

transition: all 300ms ease-in-out;

border-radius: 10px;

bottom: -0px;

transition: 0.3s;

}

.navint:hover::after {

width: 100%;

left: 0;

}

.navconc {

text-decoration: none;

font-family: 'Abel';

font-size: 22px;

font-weight: bold;

color: #ffffff;

display: block;

padding: 1rem;

position: relative;

}

.navconc:hover {

color: #000000;

}

.navconc::after {

content: '';

position: absolute;

bottom: 1rem;

left: 0;

width: 100%;

height: 3px;

background: #F05156;

transition: all 300ms ease-in-out;

border-radius: 10px;

bottom: -0px;

transition: 0.3s;

}

.navconc:hover::after {

content: '';

position: absolute;

bottom: 1rem;

left: 0%;

width: 0%;

height: 3px;

background: #F05156;

transition: all 300ms ease-in-out;

border-radius: 10px;

bottom: -0px;

transition: 0.3s;

}

.navprog {

text-decoration: none;

font-family: 'Abel';

font-size: 22px;

font-weight: bold;

color: black;

display: block;

padding: 1rem;

position: relative;

}

.navprog:hover {

color: #ffffff;

}

.navprog::after {

content: '';

position: absolute;

bottom: 1rem;

left: 0;

width: 0;

height: 3px;

background: #F05156;

transition: all 300ms ease-in-out;

border-radius: 10px;

bottom: -0px;

transition: 0.3s;

}

.navprog:hover::after {

width: 100%;

left: 0;

}

.navling{

text-decoration: none;

font-family: 'Abel';

font-size: 22px;

font-weight: bold;

color: black;

display: block;

padding: 1rem;

position: relative;

}

.navling:hover {

color: #ffffff;

}

.navling::after {

content: '';

position: absolute;

bottom: 1rem;

left: 0;

width: 0;

height: 3px;

background: #F05156;

transition: all 300ms ease-in-out;

border-radius: 10px;

bottom: -0px;

transition: 0.3s;

}

.navling:hover::after {

width: 100%;

left: 0;

}

.navref {

text-decoration: none;

font-family: 'Abel';

font-size: 22px;

font-weight: bold;

color: black;

display: block;

padding: 1rem;

position: relative;

}

.navref:hover {

color: #ffffff;

}

.navref::after {

content: '';

position: absolute;

bottom: 1rem;

left: 0;

width: 0;

height: 3px;

background: #F05156;

transition: all 300ms ease-in-out;

border-radius: 10px;

bottom: -0px;

transition: 0.3s;

}

.navref:hover::after {

width: 100%;

left: 0;

}

.naviconslist {

display: flex;

/\* display: flex;

justify-content: flex-end;

justify-content: space-between;

justify-content: space-around;

justify-content: space-evenly; \*/

}

.yta {

text-decoration: none;

color: #000000;

}

.yta:hover {

color: #ff4141;

}

.yt {

padding-right: 55%;

scale: 1.5;

transition: 0.3s;

}

.yt:hover {

scale: 1.4;

transition: 0.3s;

transform: scale(1.4);

}

.instaa {

text-decoration: none;

color: #000000;

}

.instaa:hover {

color: #b637ff;

}

.insta {

padding-right: 45%;

scale: 1.5;

transition: 0.3s;

}

.insta:hover {

scale: 1.4;

transition: 0.3s;

transform: scale(1.4);

}

.linkedina {

text-decoration: none;

color: #000000;

}

.linkedina:hover {

color: #0378A6;

}

.linkedin {

scale: 1.5;

transition: 0.3s;

}

.linkedin:hover {

scale: 1.4;

transition: 0.3s;

transform: scale(1.4);

}

.concimg {

/\* width: 100vw; \*/

width: 100vw;

height: 600px;

object-fit: cover;

object-position: top;

}

.imgarrow {

position: relative;

}

/\*

.yta {

text-decoration: none;

color: #000000;

}

.yt {

padding-right: 45%;

scale: 1.5;

transition: 0.3s;

}

.yt:hover {

color: #ff4141;

scale: 1.4;

transition: 0.3s;

transform: scale(1.4);

} \*/

.arrow {

position: absolute;

z-index: 5;

top: 40%;

width: 97%;

display: flex;

justify-content: space-between;

padding-left: 10px;

}

.larrow {

width: 35px;

transition: 0.3s;

}

.larrow:hover {

scale: 0.9;

transition: 0.3s;

transform: scale(1.4);

}

.rarrow {

width: 35px;

transition: 0.3s;

}

.rarrow:hover {

scale: 0.9;

transition: 0.3s;

transform: scale(1.4);

}

.balls {

display: flex;

justify-content: flex-end;

justify-content: space-between;

justify-content: space-around;

justify-content: space-evenly;

}

/\*

.concball {

color: #595757;

}

.progball {

color: #808080;

}

.lingball {

color: #808080;

} \*/

.conctxt {

/\* text-indent: 7%; \*/

margin-top: 5%;

margin-bottom: 5%;

border: 5px solid #595757;

border-radius: 20px;

width: 600px;

padding: 20px;

box-shadow: #595757 4px 4px 15px;

background-color: #EBEBEB;

}

/\* .circle {

width: 400px;

height: 350px;

margin: 5%;

text-align: center;

display: flex;

float: left;

border-radius: 50%;

border: 8px solid #ffff;

font: 400 14px/29px 'Montserrat', Tahoma, Arial, Helvetica, sans-serif;

color: #fff!important;

background: #F05156;

background: -moz-linear-gradient(-135deg, #595757 0%, #F05156 50%, #F9A39E 100%);

background: -webkit-linear-gradient(-135deg, #595757 0%, #F05156 50%, #F9A39E 100%);

background: linear-gradient(45deg, #595757 0%, #F05156 50%, #F9A39E 100%);

filter: progid:DXImageTransform.Microsoft.gradient( startColorstr='#008bce', endColorstr='#ffffff', GradientType=1);

background-image: url(robotimg.png);

} \*/

#robotimgc {

display: flex;

align-items: center;

justify-content: flex-end;

/\* justify-content: center; \*/

}

.conctxtimg {

width: 500px;

height: 300px;

display: flex;

flex-wrap: wrap;

transition: 0.3s;

}

.conctxtimg:hover {

scale: 0.8;

transition: 0.3s;

transform: scale(1.4);

}

#concfooter {

font-size: 12px;

color: #ffff;

text-align: center;

background-color: #595757;

/\* margin: auto; \*/

padding-top: 20px;

padding-bottom: 20px;

display: flex;

align-items: flex-end;

justify-content: center;

}

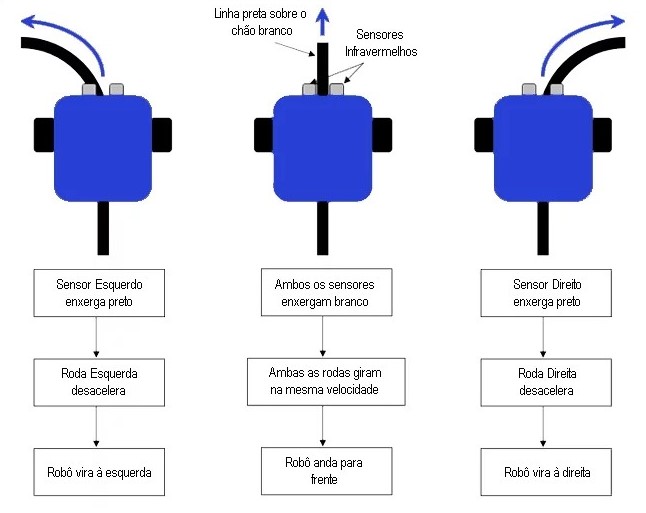
#concfooter:hover {

color: #72B5A4;

}

# Código Julia H. (Programação)

## Imagens

## HTML

<!DOCTYPE html>

<html lang="pt-br">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Programação</title>

<link rel="stylesheet" href="prog.css">

<link rel="shortcut icon" href="logoconc.png" type="image/x-icon">

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.3.0/css/all.min.css" integrity="sha512-SzlrxWUlpfuzQ+pcUCosxcglQRNAq/DZjVsC0lE40xsADsfeQoEypE+enwcOiGjk/bSuGGKHEyjSoQ1zVisanQ==" crossorigin="anonymous" referrerpolicy="no-referrer" />

<link rel="shortcut icon" href="robot-solid (1).svg" type="image/x-icon">

<link href='https://fonts.googleapis.com/css?family=Abel' rel='stylesheet'>

<link href='https://fonts.googleapis.com/css?family=' rel='stylesheet'>

<link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Rancho&effect=shadow-multiple|3d-float|fire|neon|3d">

<link rel="stylesheet" href="https://fonts.googleapis.com/css2?family=Poppins:wght@500&display=swap">

</head>

<body>

<header id="logoh">

<div class="logoprincipal">

<div class="logo">

<img src="logoconc.png" alt="code" class="logoconc" title="Programação do Robô Seguidor de Linha">

</div>

<h1 class="logotitle font-effect-3d-float" title="Avaliação - PAC">

Programação do Robô Seguidor de Linha

</h1>

</header>

<nav id="nav">

<div class="navlist">

<div>

<a href="int.html" title="Integrantes" class="navint">Integrantes</a>

</div>

<div>

<a href="conceito.html" title="Conceito" class="navconc">Conceito</a>

</div>

<div>

<a href="prog.html" title="Programação" class="navprog">Programação</a>

</div>

<div>

<a href="ling.html" title="Linguagens" class="navling">Linguagens</a>

</div>

<div>

<a href="ref.html" title="Referências Bibliográficas" class="navref">Referências</a>

</div>

<div class="naviconslist">

<div class="yt">

<a href="https://www.youtube.com" class="yta" target="\_blank">

<i class="fa-brands fa-youtube" title="YouTube"></i>

</a>

</div>

<div class="insta">

<a href="https://www.instagram.com" class="instaa" target="\_blank">

<i class="fa-brands fa-instagram" title="Instagram"></i>

</a>

</div>

<div class="linkedin">

<a href="https://www.linkedin.com" class="linkedina" target="\_blank">

<i class="fa-brands fa-linkedin" title="LinkedIn"></i>

</a>

</div>

</div>

</div>

</nav>

<main id="concmain">

<article id="concarticle">

<section id="concimg">

<div class="imgarrow">

<img src="progrobo.jpg" alt="code" class="concimg">

<div class="arrow">

<a href="conceito.html">

<img src="leftarrow.png" alt="arrow" class="larrow">

</a>

<a href="ling.html">

<img src="rightarrow.png" alt="arrow" class="rarrow">

</a>

<!-- <a href="prog.html">

<img src="" alt="arrow icon">

</a> -->

</div>

<!-- <div class="balls">

<div class="concball">

<a href="conceito.html">

<i class="fa-solid fa-circle"></i>

</a>

</div>

<div class="progball">

<a href="prog.html">

<i class="fa-solid fa-circle"></i>

</a>

</div>

<div class="lingball">

<a href="ling.html">

<i class="fa-solid fa-circle"></i>

</a>

</div>

</div> -->

</div>

</section>

<div style="display: flex;align-items: center; justify-content: center; box-shadow: black 2px 2px 10x;">

<section id="conctxt">

<div>

<p class="conctxt">

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;O objetivo da programação de um robô seguidor de linha é manter os dois sensores sobre a linha. A

lógica básica de nossa programação é: Caso os dois sensores estejam sobre a linha, ande para frente;

Caso um sensor esteja sobre a linha e o outro não, devemos fazer uma curva para corrigir o percurso;

Caso ambos os sensores não estejam sobre a linha, ele deve estar parado. Para tanto, são utilizados

2 sensores infravermelhos que detectam a presença ou a ausência da linha e, de acordo com a

combinação dos mesmos, o carrinho irá para frente ou virar para um dos lados.

<br>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;É importante ressaltar que o driver para motores é essencial para o funcionamento do robô, já que se

ligar os motores diretamente nos pinos digitais do Arduino, estes pinos irão queimar - pois a

corrente elétrica que os motores precisam para funcionar é maior do que a máxima corrente que os

pinos do Arduino conseguem fornecer. Um exemplo de driver de motor muito utilizado para tal projeto

é a Ponte H.

<br>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;Em cima destas duas premissas, o código do robô será desenvolvido através da leitura constante dos sensores e enviando o comando correto para os motores através do driver da placa, como mostra a imagem ao lado.

</p>

</div>

</section>

<aside id="robotimgc">

<div>

<a class="circle" href="/"></a>

</div>

<div>

<img src="programacao.jpg" alt="programming" class="conctxtimg">

</div>

</aside>

</div>

</article>

</main>

<footer id="concfooter">

Programação do Robô Seguidor de Linha &copy; 2023 | PAC - Engenharia de Software

</footer>

</body>

</html>

## CSS

@charset "UTF-8";

body {

margin: 0%;

padding: 0%;

font-family: 'Poppins', sans-serif;

font-size: 15px;

text-align: justify;

background-color: #e8fff9;

width: 100vw;

}

.logo {

display: flex;

justify-content: center;

}

.logoconc {

width: 50px;

margin-top: 1%;

}

#logoh {

background-color: #424242;

display: flex;

justify-content: center;

width: 100%;

}

.logotitle {

font-family: 'Poppins', 'Trebuchet MS', 'Lucida Sans Unicode', 'Lucida Grande', 'Lucida Sans', Arial, sans-serif;

color: #72B5A4;

margin: 0%;

padding: 1%;

display: flex;

justify-content: center;

width: 100%;

}

.nav {

width: 100vw;

}

.navlist {

background-color: #595757;

display: flex;

justify-content: space-between;

justify-content: space-around;

justify-content: space-evenly;

flex-direction: row;

align-items: flex-end;

align-items: baseline;

box-shadow: black 0px 5px 10px;

list-style: none;

display: flex;

}

.navint {

text-decoration: none;

font-family: 'Abel';

font-size: 22px;

font-weight: bold;

color: black;

display: block;

padding: 1rem;

position: relative;

}

.navint:hover {

color: #ffffff;

}

.navint::after {

content: '';

position: absolute;

bottom: 1rem;

left: 0;

width: 0;

height: 3px;

background: #F05156;

transition: all 300ms ease-in-out;

border-radius: 10px;

bottom: -0px;

transition: 0.3s;

}

.navint:hover::after {

width: 100%;

left: 0;

}

.navconc {

text-decoration: none;

font-family: 'Abel';

font-size: 22px;

font-weight: bold;

color: black;

display: block;

padding: 1rem;

position: relative;

}

.navconc:hover {

color: #ffffff;

}

.navconc::after {

content: '';

position: absolute;

bottom: 1rem;

left: 0;

width: 0;

height: 3px;

background: #F05156;

transition: all 300ms ease-in-out;

border-radius: 10px;

bottom: -0px;

transition: 0.3s;

}

.navconc:hover::after {

width: 100%;

left: 0;

}

.navprog {

text-decoration: none;

font-family: 'Abel';

font-size: 22px;

font-weight: bold;

color: #ffffff;

display: block;

padding: 1rem;

position: relative;

}

.navprog:hover {

color: #000000;

}

.navprog::after {

content: '';

position: absolute;

bottom: 1rem;

left: 0;

width: 100%;

height: 3px;

background: #F05156;

transition: all 300ms ease-in-out;

border-radius: 10px;

bottom: -0px;

transition: 0.3s;

}

.navprog:hover::after {

content: '';

position: absolute;

bottom: 1rem;

left: 0%;

width: 0%;

height: 3px;

background: #F05156;

transition: all 300ms ease-in-out;

border-radius: 10px;

bottom: -0px;

transition: 0.3s;

}

.navling{

text-decoration: none;

font-family: 'Abel';

font-size: 22px;

font-weight: bold;

color: black;

display: block;

padding: 1rem;

position: relative;

}

.navling:hover {

color: #ffffff;

}

.navling::after {

content: '';

position: absolute;

bottom: 1rem;

left: 0;

width: 0;

height: 3px;

background: #F05156;

transition: all 300ms ease-in-out;

border-radius: 10px;

bottom: -0px;

transition: 0.3s;

}

.navling:hover::after {

width: 100%;

left: 0;

}

.navref {

text-decoration: none;

font-family: 'Abel';

font-size: 22px;

font-weight: bold;

color: black;

display: block;

padding: 1rem;

position: relative;

}

.navref:hover {

color: #ffffff;

}

.navref::after {

content: '';

position: absolute;

bottom: 1rem;

left: 0;

width: 0;

height: 3px;

background: #F05156;

transition: all 300ms ease-in-out;

border-radius: 10px;

bottom: -0px;

transition: 0.3s;

}

.navref:hover::after {

width: 100%;

left: 0;

}

.naviconslist {

display: flex;

/\* display: flex;

justify-content: flex-end;

justify-content: space-between;

justify-content: space-around;

justify-content: space-evenly; \*/

}

.yta {

text-decoration: none;

color: #000000;

}

.yta:hover {

color: #ff4141;

}

.yt {

padding-right: 55%;

scale: 1.5;

transition: 0.3s;

}

.yt:hover {

scale: 1.4;

transition: 0.3s;

transform: scale(1.4);

}

.instaa {

text-decoration: none;

color: #000000;

}

.instaa:hover {

color: #b637ff;

}

.insta {

padding-right: 45%;

scale: 1.5;

transition: 0.3s;

}

.insta:hover {

scale: 1.4;

transition: 0.3s;

transform: scale(1.4);

}

.linkedina {

text-decoration: none;

color: #000000;

}

.linkedina:hover {

color: #0378A6;

}

.linkedin {

scale: 1.5;

transition: 0.3s;

}

.linkedin:hover {

scale: 1.4;

transition: 0.3s;

transform: scale(1.4);

}

.concimg {

/\* width: 100vw; \*/

width: 100%;

height: 600px;

object-fit: cover;

object-position: top;

}

.imgarrow {

position: relative;

}

/\*

.yta {

text-decoration: none;

color: #000000;

}

.yt {

padding-right: 45%;

scale: 1.5;

transition: 0.3s;

}

.yt:hover {

color: #ff4141;

scale: 1.4;

transition: 0.3s;

transform: scale(1.4);

} \*/

.arrow {

position: absolute;

z-index: 5;

top: 40%;

width: 97%;

display: flex;

justify-content: space-between;

padding-left: 10px;

}

.larrow {

width: 35px;

transition: 0.3s;

}

.larrow:hover {

scale: 0.9;

transition: 0.3s;

transform: scale(1.4);

}

.rarrow {

width: 35px;

transition: 0.3s;

}

.rarrow:hover {

scale: 0.9;

transition: 0.3s;

transform: scale(1.4);

}

.balls {

display: flex;

justify-content: flex-end;

justify-content: space-between;

justify-content: space-around;

justify-content: space-evenly;

}

/\*

.concball {

color: #595757;

}

.progball {

color: #808080;

}

.lingball {

color: #808080;

} \*/

.conctxt {

/\* text-indent: 7%; \*/

margin-top: 5%;

margin-bottom: 5%;

border: 5px solid #595757;

border-radius: 20px;

width: 600px;

padding: 20px;

box-shadow: #595757 4px 4px 15px;

background-color: #EBEBEB;

}

/\* .circle {

width: 400px;

height: 350px;

margin: 5%;

text-align: center;

display: flex;

float: left;

border-radius: 50%;

border: 8px solid #ffff;

font: 400 14px/29px 'Montserrat', Tahoma, Arial, Helvetica, sans-serif;

color: #fff!important;

background: #F05156;

background: -moz-linear-gradient(-135deg, #595757 0%, #F05156 50%, #F9A39E 100%);

background: -webkit-linear-gradient(-135deg, #595757 0%, #F05156 50%, #F9A39E 100%);

background: linear-gradient(45deg, #595757 0%, #F05156 50%, #F9A39E 100%);

filter: progid:DXImageTransform.Microsoft.gradient( startColorstr='#008bce', endColorstr='#ffffff', GradientType=1);

background-image: url(robotimg.png);

} \*/

#robotimgc {

display: flex;

align-items: center;

justify-content: flex-end;

/\* justify-content: center; \*/

}

.conctxtimg {

width: 500px;

height: 300px;

padding-left: 45px;

display: flex;

flex-wrap: wrap;

transition: 0.3s;

}

.conctxtimg:hover {

scale: 0.8;

transition: 0.3s;

transform: scale(1.4);

}

#concfooter {

font-size: 12px;

color: #ffff;

text-align: center;

background-color: #595757;

/\* margin: auto; \*/

padding-top: 20px;

padding-bottom: 20px;

display: flex;

align-items: flex-end;

justify-content: center;

}

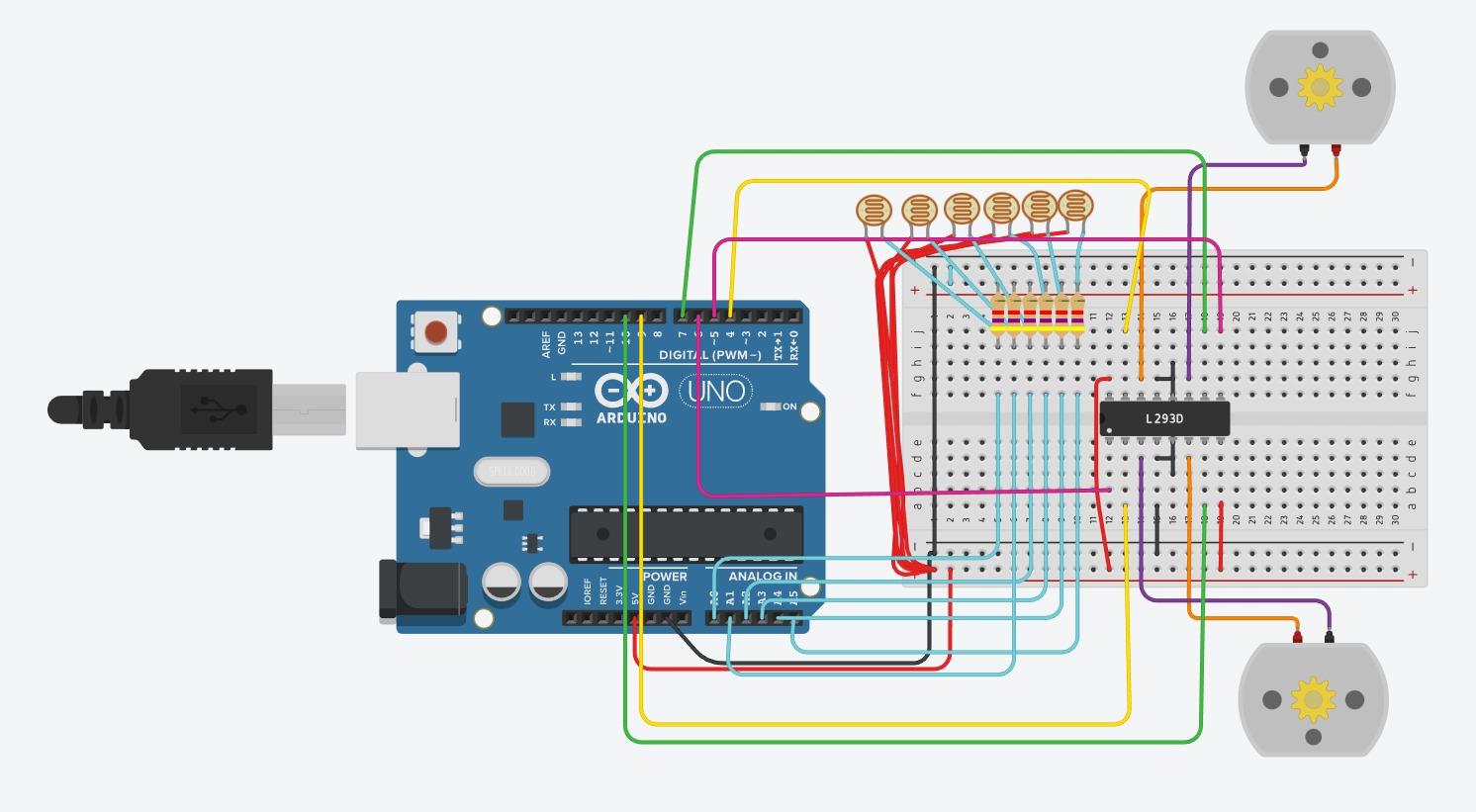
#concfooter:hover {

color: #72B5A4;

}

# Código Laura (Linguagens)

## Imagens

## HTML

<!DOCTYPE html>

<html lang="pt-br">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Linguagens</title>

<link rel="stylesheet" href="ling.css">

<link rel="shortcut icon" href="logoconc.png" type="image/x-icon">

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.3.0/css/all.min.css" integrity="sha512-SzlrxWUlpfuzQ+pcUCosxcglQRNAq/DZjVsC0lE40xsADsfeQoEypE+enwcOiGjk/bSuGGKHEyjSoQ1zVisanQ==" crossorigin="anonymous" referrerpolicy="no-referrer" />

<link rel="shortcut icon" href="robot-solid (1).svg" type="image/x-icon">

<link href='https://fonts.googleapis.com/css?family=Abel' rel='stylesheet'>

<link href='https://fonts.googleapis.com/css?family=' rel='stylesheet'>

<link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Rancho&effect=shadow-multiple|3d-float|fire|neon|3d">

<link rel="stylesheet" href="https://fonts.googleapis.com/css2?family=Poppins:wght@500&display=swap">

</head>

<body>

<header id="logoh">

<div class="logoprincipal">

<div class="logo">

<img src="logoconc.png" alt="code" class="logoconc" title="Programação do Robô Seguidor de Linha">

</div>

<h1 class="logotitle font-effect-3d-float" title="Avaliação - PAC">

Programação do Robô Seguidor de Linha

</h1>

</header>

<nav id="nav">

<div class="navlist">

<div>

<a href="int.html" title="Integrantes" class="navint">Integrantes</a>

</div>

<div>

<a href="conceito.html" title="Conceito" class="navconc">Conceito</a>

</div>

<div>

<a href="prog.html" title="Programação" class="navprog">Programação</a>

</div>

<div>

<a href="ling.html" title="Linguagens" class="navling">Linguagens</a>

</div>

<div>

<a href="ref.html" title="Referências Bibliográficas" class="navref">Referências</a>

</div>

<div class="naviconslist">

<div class="yt">

<a href="https://www.youtube.com" class="yta" target="\_blank">

<i class="fa-brands fa-youtube" title="YouTube"></i>

</a>

</div>

<div class="insta">

<a href="https://www.instagram.com" class="instaa" target="\_blank">

<i class="fa-brands fa-instagram" title="Instagram"></i>

</a>

</div>

<div class="linkedin">

<a href="https://www.linkedin.com" class="linkedina" target="\_blank">

<i class="fa-brands fa-linkedin" title="LinkedIn"></i>

</a>

</div>

</div>

</div>

</nav>

<main id="concmain">

<article id="concarticle">

<section id="concimg">

<div class="imgarrow">

<img src="lingimg.jpg" alt="" class="concimg">

<div class="arrow">

<a href="prog.html">

<img src="leftarrow.png" alt="arrow" class="larrow">

</a>

<a href="ref.html">

<img src="rightarrow.png" alt="arrow" class="rarrow">

</a>

<!-- <a href="prog.html">

<img src="" alt="arrow icon">

</a> -->

</div>

<!-- <div class="balls">

<div class="concball">

<a href="conceito.html">

<i class="fa-solid fa-circle"></i>

</a>

</div>

<div class="progball">

<a href="prog.html">

<i class="fa-solid fa-circle"></i>

</a>

</div>

<div class="lingball">

<a href="ling.html">

<i class="fa-solid fa-circle"></i>

</a>

</div>

</div> -->

</div>

</section>

<div style="display: flex;align-items: center; justify-content: center; box-shadow: black 2px 2px 10x;">

<section id="conctxt">

<div>

<p class="conctxt">

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;O Arduino pode ser programado a partir de diversas linguagens de programação, como Java ou Python, mas as mais utilizadas são C++ ou Wiring - esta é muito similar à C++ e compatível com a maior parte dos microcontroladores utilizados no Arduino. A linguagem C++ permite que os programas possam ser utilizados em diversas situações (desde as mais simples, às mais complexas) e, sua utilização para o desenvolvimento do robô é de extrema vantagem graças à sua capacidade em se comunicar com hardwares de baixo nível e suas variadas bibliotecas de funções.

<br>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;Desta forma, é recomendável e mais prático que o desenvolvedor utilize o TinkerCad para a prototipação e simulação do projeto (como mostra o exemplo ao lado), e o IDE do próprio Arduino para desenvolvê-lo, visto que é o software mais adequado para programar esse tipo de placa e permite que o programador desenvolva e compile o algoritmo de maneira muito mais prática e eficaz, e o transfira para a placa através de uma conexão via USB.

<br>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;O código abaixo foi desenvolvido no IDE do Arduino para informar o código base do funcionamento do robô. Com ele, é possível verificar o funcionamento dos sensores e do motor.

</p>

</div>

</section>

<aside id="robotimgc">

<div>

<a class="circle" href="/"></a>

</div>

<div>

<img src="lingtinker.jpeg" alt="" class="conctxtimg">

</div>

</aside>

</div>

<br>

<div style="display: flex;align-items: center; justify-content: center; box-shadow: black 2px 2px 10x;" class="codes">

<section id="sensors">

<div>

<pre>

<code>

<span class="comment">//SENSORES</span>

<span>const int pin[6] = {A0, A1, A2, A3, A4, A5};</span>

<span><span class="void">void setup</span>() {</span>

<span>&nbsp;&nbsp;&nbsp;<span class="keyword">Serial.begin</span>(9600);</span>

<span>&nbsp;&nbsp;&nbsp;<span class="keyword">for</span> (int i = 0; i < 6; i++) {</span>

<span>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;pinMode(pin[i], INPUT);</span>

<span>&nbsp;&nbsp;&nbsp;}</span>

<span>}</span>

<span></span>

<span><span class="void">void loop</span>() {</span>

<span>&nbsp;&nbsp;&nbsp;<span class="keyword">for</span> (int i = 0; i < 6; i++) {</span>

<span>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<span class="keyword">Serial.print</span>(analogRead(pin[i]));</span>

<span>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<span class="keyword">Serial.print</span>(" ");</span>

<span>&nbsp;&nbsp;&nbsp;}</span>

<span>&nbsp;&nbsp;&nbsp;<span class="keyword">Serial.println</span>();</span>

<span>&nbsp;&nbsp;&nbsp;delay(1000);</span>

<span>}</span>

</code>

</pre>

</div>

</section>

<section id="motors">

<div>

<pre>

<code>

<span class="comment">//MOTORES</span>

<span class="define">#define mAF 2</span>

<span class="define">#define mAT 4</span>

<span class="define">#define mBF 5</span>

<span class="define">#define mBT 7</span>

<span class="define">#define mAR 3</span>

<span class="define">#define mBR 6</span>

<span></span>

<span><span class="void">void setup</span>() {</span>

<span>&nbsp;&nbsp;&nbsp;<span class="keyword">pinMode</span>(mAF, OUTPUT);</span>

<span>&nbsp;&nbsp;&nbsp;<span class="keyword">pinMode</span>(mAT, OUTPUT);</span>

<span>&nbsp;&nbsp;&nbsp;<span class="keyword">pinMode</span>(mBF, OUTPUT);</span>

<span>&nbsp;&nbsp;&nbsp;<span class="keyword">pinMode</span>(mBT, OUTPUT);</span>

<span>&nbsp;&nbsp;&nbsp;<span class="keyword">pinMode</span>(mAR, OUTPUT);</span>

<span>&nbsp;&nbsp;&nbsp;<span class="keyword">pinMode</span>(mBR, OUTPUT);</span>

<span>}</span>

<span></span>

<span><span class="void">void loop</span>() {</span>

<span>&nbsp;&nbsp;&nbsp;<span class="keyword">digitalWrite</span>(mAF, 1);</span>

<span>&nbsp;&nbsp;&nbsp;<span class="keyword">digitalWrite</span>(mAT, 0);</span>

<span>&nbsp;&nbsp;&nbsp;<span class="keyword">digitalWrite</span>(mBF, 1);</span>

<span>&nbsp;&nbsp;&nbsp;<span class="keyword">digitalWrite</span>(mBT, 0);</span>

<span>&nbsp;&nbsp;&nbsp;<span class="keyword">digitalWrite</span>(mAR, 255);</span>

<span>&nbsp;&nbsp;&nbsp;<span class="keyword">digitalWrite</span>(mBR, 255);</span>

<span>&nbsp;&nbsp;&nbsp;delay(3000)</span>

<span></span>

<span>&nbsp;&nbsp;&nbsp;<span class="keyword">digitalWrite</span>(mAF, 0);</span>

<span>&nbsp;&nbsp;&nbsp;<span class="keyword">digitalWrite</span>(mAT, 1);</span>

<span>&nbsp;&nbsp;&nbsp;<span class="keyword">digitalWrite</span>(mBF, 0);</span>

<span>&nbsp;&nbsp;&nbsp;<span class="keyword">digitalWrite</span>(mBT, 1);</span>

<span>&nbsp;&nbsp;&nbsp;<span class="keyword">digitalWrite</span>(mAR, 255);</span>

<span>&nbsp;&nbsp;&nbsp;<span class="keyword">digitalWrite</span>(mBR, 255);</span>

<span>&nbsp;&nbsp;&nbsp;delay(3000)</span>

<span></span>

<span>&nbsp;&nbsp;&nbsp;<span class="keyword">digitalWrite</span>(mAF, 0);</span>

<span>&nbsp;&nbsp;&nbsp;<span class="keyword">digitalWrite</span>(mAT, 0);</span>

<span>&nbsp;&nbsp;&nbsp;<span class="keyword">digitalWrite</span>(mBF, 0);</span>

<span>&nbsp;&nbsp;&nbsp;<span class="keyword">digitalWrite</span>(mBT, 0);</span>

<span>&nbsp;&nbsp;&nbsp;<span class="keyword">digitalWrite</span>(mAR, 0);</span>

<span>&nbsp;&nbsp;&nbsp;<span class="keyword">digitalWrite</span>(mBR, 0);</span>

<span>&nbsp;&nbsp;&nbsp;delay(3000)</span>

<span>}</span>

</code>

</pre>

</div>

</section>

</div>

</article>

</main>

<br><br>

<footer id="concfooter">

Programação do Robô Seguidor de Linha &copy; 2023 | PAC - Engenharia de Software

</footer>

</body>

</html>

## CSS

@charset "UTF-8";

body {

margin: 0%;

padding: 0%;

font-family: 'Poppins', sans-serif;

font-size: 15px;

text-align: justify;

background-color: #e8fff9;

width: 100vw;

}

.logo {

display: flex;

justify-content: center;

}

.logoconc {

width: 50px;

margin-top: 1%;

}

#logoh {

background-color: #424242;

display: flex;

justify-content: center;

width: 100%;

}

.logotitle {

font-family: 'Poppins', 'Trebuchet MS', 'Lucida Sans Unicode', 'Lucida Grande', 'Lucida Sans', Arial, sans-serif;

color: #72B5A4;

margin: 0%;

padding: 1%;

display: flex;

justify-content: center;

width: 100%;

}

.nav {

width: 100vw;

}

.navlist {

background-color: #595757;

display: flex;

justify-content: space-between;

justify-content: space-around;

justify-content: space-evenly;

flex-direction: row;

align-items: flex-end;

align-items: baseline;

box-shadow: black 0px 5px 10px;

list-style: none;

display: flex;

}

.navint {

text-decoration: none;

font-family: 'Abel';

font-size: 22px;

font-weight: bold;

color: black;

display: block;

padding: 1rem;

position: relative;

}

.navint:hover {

color: #ffffff;

}

.navint::after {

content: '';

position: absolute;

bottom: 1rem;

left: 0;

width: 0;

height: 3px;

background: #F05156;

transition: all 300ms ease-in-out;

border-radius: 10px;

bottom: -0px;

transition: 0.3s;

}

.navint:hover::after {

width: 100%;

left: 0;

}

.navconc {

text-decoration: none;

font-family: 'Abel';

font-size: 22px;

font-weight: bold;

color: black;

display: block;

padding: 1rem;

position: relative;

}

.navconc:hover {

color: #ffffff;

}

.navconc::after {

content: '';

position: absolute;

bottom: 1rem;

left: 0;

width: 0;

height: 3px;

background: #F05156;

transition: all 300ms ease-in-out;

border-radius: 10px;

bottom: -0px;

transition: 0.3s;

}

.navconc:hover::after {

width: 100%;

left: 0;

}

.navprog {

text-decoration: none;

font-family: 'Abel';

font-size: 22px;

font-weight: bold;

color: black;

display: block;

padding: 1rem;

position: relative;

}

.navprog:hover {

color: #ffffff;

}

.navprog::after {

content: '';

position: absolute;

bottom: 1rem;

left: 0;

width: 0;

height: 3px;

background: #F05156;

transition: all 300ms ease-in-out;

border-radius: 10px;

bottom: -0px;

transition: 0.3s;

}

.navprog:hover::after {

width: 100%;

left: 0;

}

.navling{

text-decoration: none;

font-family: 'Abel';

font-size: 22px;

font-weight: bold;

color: #ffffff;

display: block;

padding: 1rem;

position: relative;

}

.navling:hover {

color: #000000;

}

.navling::after {

content: '';

position: absolute;

bottom: 1rem;

left: 0;

width: 100%;

height: 3px;

background: #F05156;

transition: all 300ms ease-in-out;

border-radius: 10px;

bottom: -0px;

transition: 0.3s;

}

.navling:hover::after {

content: '';

position: absolute;

bottom: 1rem;

left: 0%;

width: 0%;

height: 3px;

background: #F05156;

transition: all 300ms ease-in-out;

border-radius: 10px;

bottom: -0px;

transition: 0.3s;

}

.navref {

text-decoration: none;

font-family: 'Abel';

font-size: 22px;

font-weight: bold;

color: black;

display: block;

padding: 1rem;

position: relative;

}

.navref:hover {

color: #ffffff;

}

.navref::after {

content: '';

position: absolute;

bottom: 1rem;

left: 0;

width: 0;

height: 3px;

background: #F05156;

transition: all 300ms ease-in-out;

border-radius: 10px;

bottom: -0px;

transition: 0.3s;

}

.navref:hover::after {

width: 100%;

left: 0;

}

.naviconslist {

display: flex;

/\* display: flex;

justify-content: flex-end;

justify-content: space-between;

justify-content: space-around;

justify-content: space-evenly; \*/

}

.yta {

text-decoration: none;

color: #000000;

}

.yta:hover {

color: #ff4141;

}

.yt {

padding-right: 55%;

scale: 1.5;

transition: 0.3s;

}

.yt:hover {

scale: 1.4;

transition: 0.3s;

transform: scale(1.4);

}

.instaa {

text-decoration: none;

color: #000000;

}

.instaa:hover {

color: #b637ff;

}

.insta {

padding-right: 45%;

scale: 1.5;

transition: 0.3s;

}

.insta:hover {

scale: 1.4;

transition: 0.3s;

transform: scale(1.4);

}

.linkedina {

text-decoration: none;

color: #000000;

}

.linkedina:hover {

color: #0378A6;

}

.linkedin {

scale: 1.5;

transition: 0.3s;

}

.linkedin:hover {

scale: 1.4;

transition: 0.3s;

transform: scale(1.4);

}

.concimg {

/\* width: 100vw; \*/

width: 100vw;

height: 600px;

object-fit: cover;

object-position: bottom;

}

.imgarrow {

position: relative;

}

/\*

.yta {

text-decoration: none;

color: #000000;

}

.yt {

padding-right: 45%;

scale: 1.5;

transition: 0.3s;

}

.yt:hover {

color: #ff4141;

scale: 1.4;

transition: 0.3s;

transform: scale(1.4);

} \*/

.arrow {

position: absolute;

z-index: 5;

top: 40%;

width: 97%;

display: flex;

justify-content: space-between;

padding-left: 10px;

}

.larrow {

width: 35px;

transition: 0.3s;

}

.larrow:hover {

scale: 0.9;

transition: 0.3s;

transform: scale(1.4);

}

.rarrow {

width: 35px;

transition: 0.3s;

}

.rarrow:hover {

scale: 0.9;

transition: 0.3s;

transform: scale(1.4);

}

.balls {

display: flex;

justify-content: flex-end;

justify-content: space-between;

justify-content: space-around;

justify-content: space-evenly;

}

/\*

.concball {

color: #595757;

}

.progball {

color: #808080;

}

.lingball {

color: #808080;

} \*/

.conctxt {

/\* text-indent: 7%; \*/

margin-top: 5%;

margin-bottom: 5%;

margin-left: 5%;

border: 5px solid #595757;

border-radius: 20px;

width: 600px;

padding: 20px;

box-shadow: #595757 4px 4px 15px;

background-color: #EBEBEB;

}

.codes {

background-color: #424242;

box-shadow: #000000 20px 0px 20px;

}

#sensors {

margin-top: 5%;

margin-bottom: 5%;

margin-left: 5%;

border: 5px solid #0070c0;

border-radius: 20px;

width: 400px;

height: 500px;

padding: 20px;

box-shadow: #595757 4px 4px 15px;

background-color: #EBEBEB;

}

#motors {

margin-top: 5%;

margin-bottom: 5%;

margin-left: 5%;

border: 5px solid #0070c0;

border-radius: 20px;

width: 260px;/\*270px\*/

height: 500px;

padding: 20px;

box-shadow: #595757 4px 4px 15px;

background-color: #EBEBEB;

}

code {

scroll-margin-left: 0;

scroll-padding-left: 0;

display: flex;

flex-direction: column;

font-family: Consolas, monospace;

font-size: 14px;

color: #333;

background-color: #f5f5f5;

padding: 10px;

height: 400px;

border-radius: 5px;

overflow-x: auto;

overflow-y: scroll;

line-height: 1.5;

text-align: left;

}

code span.keyword {

color: #0070c0;

font-weight: bold;

}

code span.void {

color: #F05156;

font-weight: bold;

}

code span.comment {

color: #808080;

font-style: italic;

}

code span.define {

color: rgb(71, 117, 71);

font-weight: bold;

}

code:before {

counter-reset: line;

content: "";

display: inline-block;

vertical-align: top;

width: 2em;

margin-right: 10px;

}

code > span:before {

counter-increment: line;

content: counter(line);

display: inline-block;

margin-right: 10px;

color: #999;

}

#robotimgc {

display: flex;

align-items: center;

justify-content: flex-end;

/\* justify-content: center; \*/

}

.conctxtimg {

width: 400px;

height: 200px;

padding-left: 45px;

margin-left: 7%;

display: flex;

flex-wrap: wrap;

transition: 0.3s;

}

.conctxtimg:hover {

scale: 0.8;

transition: 0.3s;

transform: scale(1.4);

}

#concfooter {

font-size: 12px;

color: #ffff;

text-align: center;

background-color: #595757;

/\* margin: auto; \*/

padding-top: 20px;

padding-bottom: 20px;

display: flex;

align-items: flex-end;

justify-content: center;

}

#concfooter:hover {

color: #72B5A4;

}

# Código Julia W (Referências)

## Imagem



## HTML

<!DOCTYPE html>

<html lang="pt-br">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Referências</title>

<link rel="stylesheet" href="ref.css">

<link rel="shortcut icon" href="logoconc.png" type="image/x-icon">

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.3.0/css/all.min.css" integrity="sha512-SzlrxWUlpfuzQ+pcUCosxcglQRNAq/DZjVsC0lE40xsADsfeQoEypE+enwcOiGjk/bSuGGKHEyjSoQ1zVisanQ==" crossorigin="anonymous" referrerpolicy="no-referrer" />

<link rel="shortcut icon" href="robot-solid (1).svg" type="image/x-icon">

<link href='https://fonts.googleapis.com/css?family=Abel' rel='stylesheet'>

<link href='https://fonts.googleapis.com/css?family=' rel='stylesheet'>

<link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Rancho&effect=shadow-multiple|3d-float|fire|neon|3d">

<link rel="stylesheet" href="https://fonts.googleapis.com/css2?family=Poppins:wght@500&display=swap">

</head>

<body>

<header id="logoh">

<div class="logoprincipal">

<div class="logo">

<img src="logoconc.png" alt="code" class="logoconc" title="Programação do Robô Seguidor de Linha">

</div>

<h1 class="logotitle font-effect-3d-float" title="Avaliação - PAC">

Programação do Robô Seguidor de Linha

</h1>

</header>

<nav id="nav">

<div class="navlist">

<div>

<a href="int.html" title="Integrantes" class="navint">Integrantes</a>

</div>

<div>

<a href="conceito.html" title="Conceito" class="navconc">Conceito</a>

</div>

<div>

<a href="prog.html" title="Programação" class="navprog">Programação</a>

</div>

<div>

<a href="ling.html" title="Linguagens" class="navling">Linguagens</a>

</div>

<div>

<a href="ref.html" title="Referências Bibliográficas" class="navref">Referências</a>

</div>

<div class="naviconslist">

<div class="yt">

<a href="https://www.youtube.com" class="yta" target="\_blank">

<i class="fa-brands fa-youtube" title="YouTube"></i>

</a>

</div>

<div class="insta">

<a href="https://www.instagram.com" class="instaa" target="\_blank">

<i class="fa-brands fa-instagram" title="Instagram"></i>

</a>

</div>

<div class="linkedin">

<a href="https://www.linkedin.com" class="linkedina" target="\_blank">

<i class="fa-brands fa-linkedin" title="LinkedIn"></i>

</a>

</div>

</div>

</div>

</nav>

<main id="concmain">

<article id="concarticle">

<section id="concimg">

<div class="imgarrow">

<img src="refimg.png" alt="" class="concimg">

<div class="arrow">

<a href="ling.html">

<img src="leftarrow.png" alt="arrow" class="larrow">

</a>

<!-- <a href="ref.html">

<img src="rightarrow.png" alt="arrow" class="rarrow">

</a> -->

<!-- <a href="prog.html">

<img src="" alt="arrow icon">

</a> -->

</div>

<!-- <div class="balls">

<div class="concball">

<a href="conceito.html">

<i class="fa-solid fa-circle"></i>

</a>

</div>

<div class="progball">

<a href="prog.html">

<i class="fa-solid fa-circle"></i>

</a>

</div>

<div class="lingball">

<a href="ling.html">

<i class="fa-solid fa-circle"></i>

</a>

</div>

</div> -->

</div>

</section>

<div style="display: flex;align-items: center; justify-content: center; box-shadow: black 2px 2px 10x;">

<section id="reftxt">

<div class="pesqlist">

<h1 class="pesqtitle">

Para a realização desta<span> pesquisa</span>, consultamos as seguintes fontes bibliográficas:

</h1>

<ul class="pesqfonts">

<li>

ROBOCORE. Robô Seguidor de Linha. robocore.net. 2023. Disponível em: https://www.robocore.net/tutoriais/robo-seguidor-de-linha. Acesso em: 23 mar. 2023.

</li>

<li>

ROBOCORE. Robô Seguidor de Linha Completo. youtube.com. 2016. Disponível em: https://www.youtube.com/watch?v=KY-BdZ-YDMI. Acesso em: 23 mar. 2023.

</li>

<li>

ROBÔ SEGUIDOR de Linha Completo: Tutorial. Vinícius Selestrim. RoboCore, 2014. Longa-metragem (2:01:37). Disponível em: https://www.youtube.com/watch?v=NY-S\_plDpM8. Acesso em: 23 mar. 2023.

</li>

<li>

ELETROGATE. Robô Seguidor de Linha – Tutorial Completo: Programando o Arduino. blog.eletrogate.com. Belo Horizonte, 2022. Disponível em: https://blog.eletrogate.com/robo-seguidor-de-linha-tutorial-completo/. Acesso em: 23 mar. 2023.

</li>

<li>

ALVES, Wisley José; CAMPOS, Victor Costa S. (Coord.). Robô Seguidor de Linha com Aprendizado por Reforço: IDE Arduino. cpdee.ufmg.br. 2018. Disponível em: http://www.cpdee.ufmg.br/~victorcosta/pdfs/WISLEY\_JOSE\_ALVES\_TCC.pdf. Acesso em: 23 mar. 2023.

</li>

</ul>

</div>

<div class="protlist">

<h1 class="prottitle">

Como apoio de<span> prototipação</span> do nosso site, consultamos as seguintes fontes bibliográficas:

</h1>

<ul class="protfonts">

<li>

ADOBE COLOR: Explorar. color.adobe.com. Disponível em: https://color.adobe.com/pt/explore. Acesso em: 23 mar. 2023.

</li>

<li>

NICEPAGE FREE WEBSITE BUILDER SOFTWARE. Frete Marítimo, Aéreo Ou Ferroviário Modelo HTML. nicepage.com. 2023. Disponível em: https://nicepage.com/pt/ht/63837/frete-maritimo-aereo-ou-ferroviario-modelo-html. Acesso em: 23 mar. 2023.

</li>

<li>

NICEPAGE FREE WEBSITE BUILDER SOFTWARE. Frete Marítimo, Aéreo Ou Ferroviário Modelo HTML. nicepage.com. 2023. Disponível em: https://nicepage.com/pt/ht/63837/frete-maritimo-aereo-ou-ferroviario-modelo-html. Acesso em: 23 mar. 2023.

</li>

<li>

NICEPAGE FREE WEBSITE BUILDER SOFTWARE. Digital Strategy. nicepage.com. 2023. Disponível em: https://nicepage.com/html5-template/preview/digital-strategy-337171?device=desktop. Acesso em: 23 mar. 2023.

</li>

<li>

NICEPAGE FREE WEBSITE BUILDER SOFTWARE. nicepage.com. 2023. Disponível em: https://nicepage.com/html5-template/preview/meet-the-best-employees-%20995937?device=desktop. Acesso em: 23 mar. 2023.

</li>

<li>

NICEPAGE FREE WEBSITE BUILDER SOFTWARE. HOMEMADE BURGERS: Order takeout or delivery!. nicepage.com. 2023. Disponível em: https://nicepage.com/html5-template/preview/homemade-burgers-239946?device=desktop. Acesso em: 23 mar. 2023.

</li>

<li>

NICEPAGE FREE WEBSITE BUILDER SOFTWARE. App Development. nicepage.com. 2023. Disponível em: https://nicepage.com/html5-template/preview/professional-app-development-467680?device=desktop. Acesso em: 23 mar. 2023.

</li>

</ul>

</div>

</section>

<!-- <aside id="robotimgc">

<div>

<a class="circle" href="/"></a>

</div>

<div>

<img src="lingtinker.jpeg" alt="" class="conctxtimg">

</div>

</aside> -->

</div>

</article>

</main>

<footer id="concfooter">

Programação do Robô Seguidor de Linha &copy; 2023 | PAC - Engenharia de Software

</footer>

</body>

</html>

## CSS

@charset "UTF-8";

body {

margin: 0%;

padding: 0%;

font-family: 'Poppins', sans-serif;

font-size: 15px;

text-align: justify;

background-color: #e8fff9;

width: 100vw;

}

.logo {

display: flex;

justify-content: center;

}

.logoconc {

width: 50px;

margin-top: 1%;

}

#logoh {

background-color: #424242;

display: flex;

justify-content: center;

width: 100%;

}

.logotitle {

font-family: 'Poppins', 'Trebuchet MS', 'Lucida Sans Unicode', 'Lucida Grande', 'Lucida Sans', Arial, sans-serif;

color: #72B5A4;

margin: 0%;

padding: 1%;

display: flex;

justify-content: center;

width: 100%;

}

.nav {

width: 100vw;

}

.navlist {

background-color: #595757;

display: flex;

justify-content: space-between;

justify-content: space-around;

justify-content: space-evenly;

flex-direction: row;

align-items: flex-end;

align-items: baseline;

box-shadow: black 0px 5px 10px;

list-style: none;

display: flex;

}

.navint {

text-decoration: none;

font-family: 'Abel';

font-size: 22px;

font-weight: bold;

color: black;

display: block;

padding: 1rem;

position: relative;

}

.navint:hover {

color: #ffffff;

}

.navint::after {

content: '';

position: absolute;

bottom: 1rem;

left: 0;

width: 0;

height: 3px;

background: #F05156;

transition: all 300ms ease-in-out;

border-radius: 10px;

bottom: -0px;

transition: 0.3s;

}

.navint:hover::after {

width: 100%;

left: 0;

}

.navconc {

text-decoration: none;

font-family: 'Abel';

font-size: 22px;

font-weight: bold;

color: black;

display: block;

padding: 1rem;

position: relative;

}

.navconc:hover {

color: #ffffff;

}

.navconc::after {

content: '';

position: absolute;

bottom: 1rem;

left: 0;

width: 0;

height: 3px;

background: #F05156;

transition: all 300ms ease-in-out;

border-radius: 10px;

bottom: -0px;

transition: 0.3s;

}

.navconc:hover::after {

width: 100%;

left: 0;

}

.navprog {

text-decoration: none;

font-family: 'Abel';

font-size: 22px;

font-weight: bold;

color: black;

display: block;

padding: 1rem;

position: relative;

}

.navprog:hover {

color: #ffffff;

}

.navprog::after {

content: '';

position: absolute;

bottom: 1rem;

left: 0;

width: 0;

height: 3px;

background: #F05156;

transition: all 300ms ease-in-out;

border-radius: 10px;

bottom: -0px;

transition: 0.3s;

}

.navprog:hover::after {

width: 100%;

left: 0;

}

.navling{

text-decoration: none;

font-family: 'Abel';

font-size: 22px;

font-weight: bold;

color: black;

display: block;

padding: 1rem;

position: relative;

}

.navling:hover {

color: #ffffff;

}

.navling::after {

content: '';

position: absolute;

bottom: 1rem;

left: 0;

width: 0;

height: 3px;

background: #F05156;

transition: all 300ms ease-in-out;

border-radius: 10px;

bottom: -0px;

transition: 0.3s;

}

.navling:hover::after {

width: 100%;

left: 0;

}

.navref {

text-decoration: none;

font-family: 'Abel';

font-size: 22px;

font-weight: bold;

color: #ffffff;

display: block;

padding: 1rem;

position: relative;

}

.navref:hover {

color: #000000;

}

.navref::after {

content: '';

position: absolute;

bottom: 1rem;

left: 0;

width: 100%;

height: 3px;

background: #F05156;

transition: all 300ms ease-in-out;

border-radius: 10px;

bottom: -0px;

transition: 0.3s;

}

.navref:hover::after {

content: '';

position: absolute;

bottom: 1rem;

left: 0%;

width: 0%;

height: 3px;

background: #F05156;

transition: all 300ms ease-in-out;

border-radius: 10px;

bottom: -0px;

transition: 0.3s;

}

.naviconslist {

display: flex;

/\* display: flex;

justify-content: flex-end;

justify-content: space-between;

justify-content: space-around;

justify-content: space-evenly; \*/

}

.yta {

text-decoration: none;

color: #000000;

}

.yta:hover {

color: #ff4141;

}

.yt {

padding-right: 55%;

scale: 1.5;

transition: 0.3s;

}

.yt:hover {

scale: 1.4;

transition: 0.3s;

transform: scale(1.4);

}

.instaa {

text-decoration: none;

color: #000000;

}

.instaa:hover {

color: #b637ff;

}

.insta {

padding-right: 45%;

scale: 1.5;

transition: 0.3s;

}

.insta:hover {

scale: 1.4;

transition: 0.3s;

transform: scale(1.4);

}

.linkedina {

text-decoration: none;

color: #000000;

}

.linkedina:hover {

color: #0378A6;

}

.linkedin {

scale: 1.5;

transition: 0.3s;

}

.linkedin:hover {

scale: 1.4;

transition: 0.3s;

transform: scale(1.4);

}

.concimg {

/\* width: 100vw; \*/

width: 100vw;

height: 600px;

object-fit: cover;

object-position: top;

}

.imgarrow {

position: relative;

}

/\*

.yta {

text-decoration: none;

color: #000000;

}

.yt {

padding-right: 45%;

scale: 1.5;

transition: 0.3s;

}

.yt:hover {

color: #ff4141;

scale: 1.4;

transition: 0.3s;

transform: scale(1.4);

} \*/

.arrow {

position: absolute;

z-index: 5;

top: 40%;

width: 97%;

display: flex;

justify-content: space-between;

padding-left: 10px;

}

.larrow {

width: 35px;

transition: 0.3s;

}

.larrow:hover {

scale: 0.9;

transition: 0.3s;

transform: scale(1.4);

}

.rarrow {

width: 35px;

transition: 0.3s;

}

.rarrow:hover {

scale: 0.9;

transition: 0.3s;

transform: scale(1.4);

}

.balls {

display: flex;

justify-content: flex-end;

justify-content: space-between;

justify-content: space-around;

justify-content: space-evenly;

}

/\*

.concball {

color: #595757;

}

.progball {

color: #808080;

}

.lingball {

color: #808080;

} \*/

.pesqfonts {

/\* text-indent: 7%; \*/

margin-top: 5%;

margin-bottom: 5%;

border: 5px solid #595757;

border-radius: 20px;

width: 800px;

padding: 35px;

padding-left: 50px;

box-shadow: #595757 4px 4px 15px;

background-color: #EBEBEB;

}

.protfonts {

/\* text-indent: 7%; \*/

margin-top: 5%;

margin-bottom: 5%;

border: 5px solid #595757;

border-radius: 20px;

width: 800px;

padding: 35px;

padding-left: 50px;

box-shadow: #595757 4px 4px 15px;

background-color: #EBEBEB;

}

span:hover {

content: '';

left: 0%;

width: 0%;

background-color: #f16d71;

transition: all 300ms ease-in-out;

border-radius: 10px;

transition: 0.5s;

/\* font-weight: bold;

color: #F05156; \*/

}

#concfooter {

font-size: 12px;

color: #ffff;

text-align: center;

background-color: #595757;

/\* margin: auto; \*/

padding-top: 20px;

padding-bottom: 20px;

display: flex;

align-items: flex-end;

justify-content: center;

}

#concfooter:hover {

color: #72B5A4;

}