

inicio

```
graph TD; Inicio([inicio]) --> Declara[Declara array<br/>char p[50]]; Declara --> Printf1[printf("qual o seu<br/>nome? ");]; Printf1 --> Scanf[/scanf("%49[^\n]", p)/]; Scanf --> Printf2[printf("Bem vindo<br/>%s\n", p)]; Printf2 --> Fim([Fim]);
```

The flowchart illustrates the execution of a C program. It begins with an oval terminal node labeled 'inicio'. An arrow points down to a rectangular process node containing the declaration 'Declara array char p[50]'. Another arrow points down to a second rectangular process node with the code 'printf("qual o seu nome? ")'. This is followed by a parallelogram input/output node containing 'scanf("%49[^\n]", p)'. An arrow then points down to a third rectangular process node with 'printf("Bem vindo %s\n", p)'. Finally, an arrow points down to an oval terminal node labeled 'Fim'.

Declara array
char p[50]

printf("qual o seu
nome? ")

scanf("%49[^\n]", p)

printf("Bem vindo
%s\n", p)

Fim