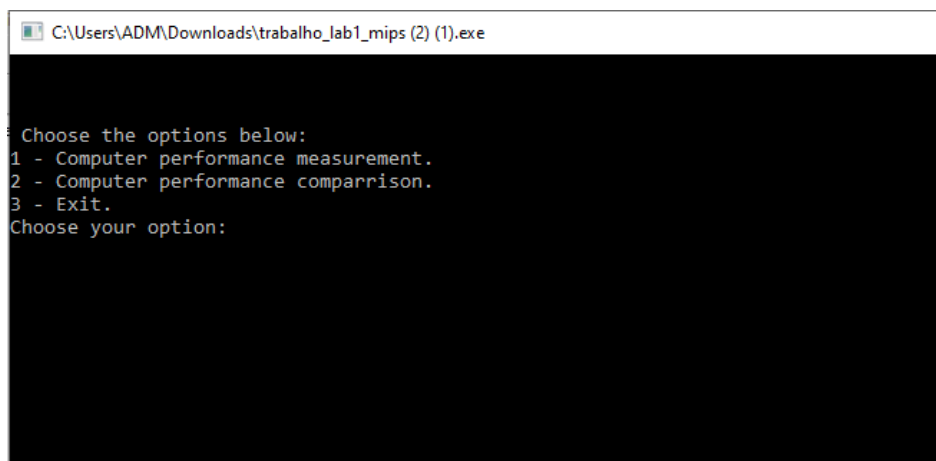


TELAS DO PROGRAMA

Menu Inicial

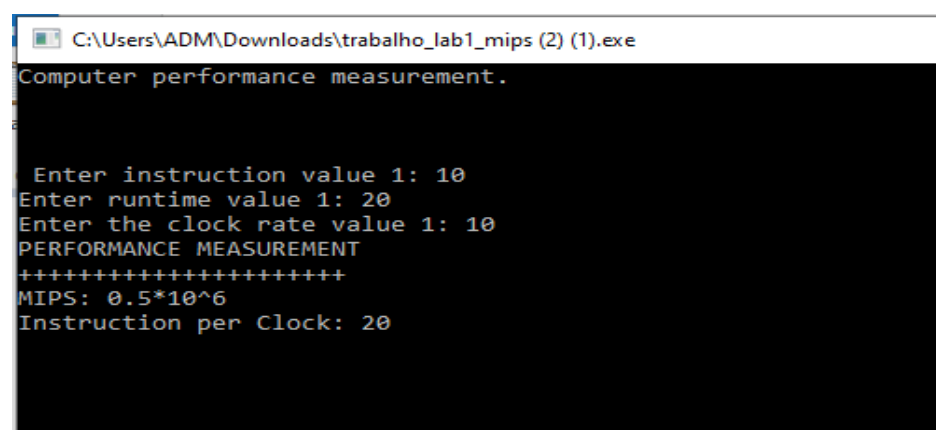


A screenshot of a Windows command prompt window titled "C:\Users\ADM\Downloads\trabalho_lab1_mips (2) (1).exe". The window has a black background with white text. The text displays a menu with three options: "1 - Computer performance measurement.", "2 - Computer performance comparrison.", and "3 - Exit.". Below the menu, it prompts the user to "Choose your option:".

```
C:\Users\ADM\Downloads\trabalho_lab1_mips (2) (1).exe

Choose the options below:
1 - Computer performance measurement.
2 - Computer performance comparrison.
3 - Exit.
Choose your option:
```

Opção 1 – Medição de Desempenho de uma Máquina



A screenshot of the same command prompt window, now showing the "Computer performance measurement." screen. It prompts the user to enter values for instruction, runtime, and clock rate. After the inputs, it displays the calculated performance metrics: "PERFORMANCE MEASUREMENT", "MIPS: 0.5*10^6", and "Instruction per Clock: 20".

```
C:\Users\ADM\Downloads\trabalho_lab1_mips (2) (1).exe

Computer performance measurement.

Enter instruction value 1: 10
Enter runtime value 1: 20
Enter the clock rate value 1: 10
PERFORMANCE MEASUREMENT
+++++
MIPS: 0.5*10^6
Instruction per Clock: 20
```

Opção 2 – Comparação de Desempenho de duas Máquinas

Melhor Desempenho da Máquina 1

```
C:\Users\ADM\Downloads\trabalho_lab1_mips (2) (1).exe
Computer performance comparrison.

Enter instruction value 1: 20
Enter runtime value 1: 10
Enter the clock rate value 1: 30

Enter instruction value 2: 10
Enter runtime value 2: 20
Enter the clock rate value 2: 30

+++++
Computer 1 +++++ Computer 2
MIPS: 2*10^6 +++++ MIPS: 0.5*10^6
CPI: 15 +++++ CPI: 60
The Computer 1 has the best performance
```

Melhor Desempenho da Máquina 2

```
C:\Users\ADM\Downloads\trabalho_lab1_mips (2) (1).exe
Computer performance comparrison.

Enter instruction value 1: 10
Enter runtime value 1: 20
Enter the clock rate value 1: 30

Enter instruction value 2: 20
Enter runtime value 2: 10
Enter the clock rate value 2: 30

+++++
Computer 1 +++++ Computer 2
MIPS: 0.5*10^6 +++++ MIPS: 2*10^6
CPI: 60 +++++ CPI: 15
The Computer 2 has the best performance
```

Ambas as Máquinas com Desempenho Equivalente

C:\Users\ADM\Downloads\trabalho_lab1_mips (2) (1).exe

Computer performance comparrison.

Enter instruction value 1: 10

Enter runtime value 1: 10

Enter the clock rate value 1: 10

Enter instruction value 2: 10

Enter runtime value 2: 10

Enter the clock rate value 2: 10

+++++

Computer 1 +++++ Computer 2

MIPS: 1×10^6 +++++ MIPS: 1×10^6

CPI: 10 +++++ CPI: 10

Both computers have equal performance.