Submission Details:

Single .docx file with following

Problems 1 : Write the details on a word document

Problems 2,3: Paste the screenshot of the Simulator highlighting the register with final value on word document. Also paste the RISCV code on word document

PROBLEMS

1. Find the below details for your laptop/Desktop **5 points**

Processor

Graphics Processor(If exists)

Clock speed

No.of Cores

RAM Size

Storage

Typical TDP in Watts:

Cache per CPU Package( optional)

2) Write an RISCV code that takes in two numbers b and p, and returns the result of below expression.  **10 points**

x= ((b+5) \* (p-2) \* 10) / 4;

3) Convert pseudocode given below into RISCV code. **15 points**

int A[]={4, 8, 12, 16, 20, 24, 28}

int sum=0

for( int i=0;i<7;i++)

{

if i%2==0 {

sum+=A[i]

}

}