## Exp24:CPU performance

#include <stdio.h>

int main()

{

float cr;

int p,p1,i;

float cpu[5];

float cpi,ct,max;

int n=1000;

for(i=0;i<=4;i++)

{

cpu[5]=0;

}

printf("\n Enter the number of processors:");

scanf("%d",&p);

p1=p;

for(i=0;i<p;i++)

{

printf("\n Enter the Cycles per Instrcution of processor:");

scanf("%f",&cpi);

printf("\n Enter the clockrate in GHz:");

scanf("%f",&cr);

ct=1000\*cpi/cr;

printf("The CPU time is: %f",ct);

cpu[i]=ct;

}

max=cpu[0];

for(i=0;i<p1;i++)

{

if(cpu[i]<=max)

max=cpu[i];

}

printf("\n The processor has lowest Execution time is: %f ", max);

return 0;

}