24. Write a program to find the CPU performance of a processor using any high level language.

PROGRAM:

#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<=max) max=cpu[i]; }

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

return 0;

}

OUTPUT:

Enter the number of processors:3

Enter the Cycles per Instrcution of processor:1.5

Enter the clockrate in GHz:3

The CPU time is: 500.000000

Enter the Cycles per Instrcution of processor:1

Enter the clockrate in GHz:2.2

The CPU time is: 454.545441

Enter the Cycles per Instrcution of processor:2

Enter the clockrate in GHz:4

The CPU time is: 500.000000

The processor has lowest Execution time is: 454.545441