CPU PERFOMANCE

Program

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| --- |
| #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]; |
|  | //printf("%f", max); |
|  | 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; |
|  | } |

