**24.CPU PERFOMANCE**

**#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);**

**}**

