## EXP 14:2 STAGE PIPELINE:

#include<stdio.h>

int main()

{

int counter=1,a,b,choice,res,ins;

printf("enter number 1:");

scanf("%d",&a);

counter =counter+1;

printf("enter number 2:");

scanf("%d",&b);

counter=counter+1;

printf("1-addition:\n2-subtraction:\n3-multiplication:\n4-division:");

scanf("%d",&choice);

switch(choice)

{

case1:printf("performing addition\n");

res=a+b;

counter=counter+1;

break;

case 2:printf("performing subtraction\n");

res=a-b;

counter=counter+1;

break;

case 3:printf("performing multiplication\n");

res=a\*b;

counter=counter+1;

break;

case 4:printf("performing division\n");

res=a/b;

counter=counter+1;

break;

default: printf("Wrong input");

break;

}

printf("The cycle value is:%d\n",counter);

printf("Enter the number of instructions:");

scanf("%d",&ins);

int performance\_measure = ins/counter;

printf("The performance measure is:%d\n",performance\_measure);

return 0;

}