**UMEALOR**

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**18/ENGO6/069**

**###**

* **1. #include**
* **NAME UZ<stdio.h>**
* **#include <stdlib.h>**
* **int main()**
* **{**
* **int x1, y1, x2, y2;**
* **float d;**
* **printf("enter the first point: ");**
* **scanf("%d%d",&x1,&y1);**
* **printf("enter the second point: ");**
* **scanf("%d%d",&x2,&y2);**
* **d = (float)sqrt((x1-x2)\*(x1-x2)+ (y1-y2)\*(y1-y2));**
* **printf("distance = %f",d);**
* **return 0;**
* **} 2. #include <stdio.h>**
* **#include <stdlib.h>**
* **int main()**
* **{**
* **int a,b,c, perimeter;**
* **printf("enter the three sides: ");**
* **scanf("%d %d %d",&a,&b,&c);**
* **if**
* **(a+b>c && b+c>a && a+c>b)**
* **printf("(%d, %d, %d) form a triangle",a,b,c);**
* **else**
* **printf("(%d, %d, %d) doesnt form a triangle",a,b,c);**
* **perimeter = a+b+c;**
* **printf("perimeter:%d\n",perimeter);**
* **return 0;**
* **} 3. #include <stdio.h>**
* **#include <stdlib.h>**
* **int main()**
* **{**
* **int indays,years,months,weeks,days;**
* **printf("enter no of days\n");**
* **scanf("%d",&indays);**
* **years =indays/365;**
* **indays=indays-years\*365;**
* **months= indays/30;**
* **indays = indays-months\*30;**
* **weeks = indays/7;**
* **indays = indays-weeks\*7;**
* **days = indays;**
* **printf("years:%d\n",years);**
* **printf("months:%d\n",months);**
* **printf("weeks:%d\n",weeks);**
* **printf("days:%d\n",days);**
* **return 0;**
* **}**
* **4. #include <stdio.h>**
* **#include <stdlib.h>**
* **main()**
* **{**
* **int random\_No=0,count=0,num;**
* **int stime;**
* **long ltime;**
* **//initialise srand with current time, to get random number on every run**
* **ltime = time(NULL);**
* **stime = (unsigned) ltime/2;**
* **srand(stime);**
* **//generate random number**
* **random\_No=rand()%100;**
* **//run infinite loop**
* **while(1)**
* **{ //increase counter**
* **count+=1;**
* **//read number from user**
* **printf("\n\nGuess a number from (0 to 100): ");**
* **scanf("%d",&num);**
* **//compare entered number with generated number**
* **if(random\_No==num){**
* **printf("Congratulations, you have guessed a correct number.");**
* **break;**
* **} else if(random\_No<num){**
* **printf("Generated number is less than entered number, try your luck again...");**
* **} else if(random\_No>num){**
* **printf("Generated number is greater than entered number, try your luck again...");**
* **} if(count==7){**
* **printf("\n\n### Maximum limit of atttempt finished, BAD LUCK !!!\n");**
* **break;**
* **} }**
* **return 0; #include <stdio.h>**
* **#include <stdlib.h>**
* **main()**
* **{**
* **int random\_No=0,count=0,num;**
* **int stime;**
* **long ltime;**
* **//initialise srand with current time, to get random number on every run**
* **ltime = time(NULL);**
* **stime = (unsigned) ltime/2;**
* **srand(stime);**
* **//generate random number**
* **random\_No=rand()%100;**
* **//run infinite loop**
* **while(1)**
* **{ //increase counter**
* **count+=1;**
* **//read number from user**
* **printf("\n\nGuess a number from (0 to 100): ");**
* **scanf("%d",&num);**
* **//compare entered number with generated number**
* **if(random\_No==num){**
* **printf("Congratulations, you have guessed a correct number.");**
* **break;**
* **} else if(random\_No<num){**
* **printf("Generated number is less than entered number, try your luck again...");**
* **} else if(random\_No>num){**
* **printf("Generated number is greater than entered number, try your luck again...");**
* **} if(count==7){**
* **printf("\n\n### Maximum limit of atttempt finished, BAD LUCK !!!\n");**
* **break;**
* **} }**
* **return 0;**
* **}**
* **5. #include <stdio.h>**
* **#include <stdlib.h>**
* **int main()**
* **{**
* **int age;**
* **int count\_baby=0,count\_school=0,count\_adult=0;**
* **int count=0;**
* **while(count<20)**
* **{**
* **printf("Enter age of person [%d]: ",count+1);**
* **scanf("%d",&age);**
* **if(age>=0 && age<=4)**
* **count\_baby++;**
* **else if(age>=5 && age<=17)**
* **count\_school++;**
* **else**
* **count\_adult++;**
* **//increase counter**
* **count++;**
* **}**
* **printf("Baby age: %d\n",count\_baby);**
* **printf("School age: %d\n",count\_school);**
* **printf("Adult age: %d\n",count\_adult);**
* **return 0;**
* **}**