

VIT - Vellore

Name: RONIT MEXSON .

Email: ronit.mexson2024@vitstudent.ac.in

Roll no: 24BAI0036

Phone: 9999999999

Branch: ARUMUGA ARUN R_OOPS

Department: admin

Batch: VL2024250502365

Degree: admin

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BCSE102P_Structured and Object Oriented Programming Lab_VL2024250502365

VIT V_Structured and OOP_Lab 4_COD_Easy_Union

Attempt : 1

Total Mark : 10

Marks Obtained : 10

Section 1 : Coding

1. Problem Statement

Zoya is a physics enthusiast who loves experimenting with her mini toy cars. She is curious about understanding the kinetic energy of her toy cars based on their mass and velocity.

Help Zoya Create a macro named KINETIC_ENERGY to calculate the kinetic energy.

Formula: Kinetic Energy = $0.5 \times \text{mass} \times \text{velocity}^2$

Answer

```
// You are using GCC
#include<stdio.h>
```

```
#define KINETIC_ENERGY(m,v)(0.5*m*v*v)
int main(){
    double m, v;
    scanf("%lf",&m);
    scanf("%lf",&v);
    printf("%.2lf Joules",KINETIC_ENERGY(m,v));
    return 0;
}
```

Status : Correct

Marks : 10/10