VIT - Vellore

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BCSE102P_Structured and Object Oriented Programming Lab_VL2024250502365

VIT V_Structured and OOP_Lab 3_COD_Easy_Pointer Arithmetic

Attempt : 1
Total Mark : 20
Marks Obtained : 20

Section 1 : Coding

1. Problem Statement

Karthik wants a program to find the quotient and remainder of two variables using pointers. Since he is not familiar with the pointers, he asks for your help.

Help him by writing the program.

Answer

```
// You are using GCC
#include<stdio.h>
int main(){
    int a;
    int b;
    scanf("%d %d",&a,&b);
```

```
    printf("%d %d",a/b,a%b);
    return 0;
}
```

Status : Correct   *Marks : 10/10*

2. Problem Statement

You are tasked with creating a program to calculate the area of a
rectangle. You need to implement this using pointer arithmetic.

Write a program that takes the length and breadth as input, calculates the
area using pointer arithmetic, and then displays the result.

Answer

```
// You are using GCC
#include<stdio.h>
int main()
{
    int i;
    int w;
    int area;
    int *a = &i;
    int *b = &w;
    int *arean = &area;
    scanf("%d",a);
    scanf("%d",b);
    *arean = (*a)*(*b);
    printf("%d",*arean);
    return 0;
}
```

Status : Correct   *Marks : 10/10*