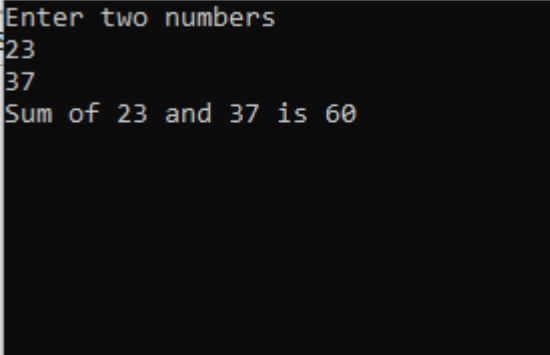


ASSIGNMENT 05

```
1. #include<stdio.h>
#include<conio.h>
int main()
{
    int a,b,sum;
    printf("Enter two numbers\n");
    scanf("%d %d",&a,&b);
    sum=a+b;
    printf("Sum of %d and %d is %d",a,b,sum);
    getch();
}
```



```
Enter two numbers
23
37
Sum of 23 and 37 is 60
```

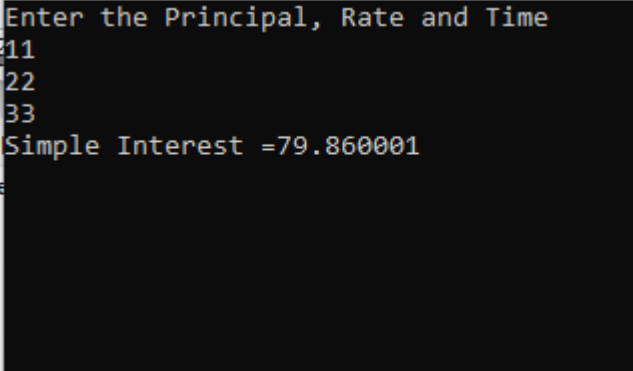
```
2. #include<stdio.h>
#include<conio.h>
int main()
{
    float r,area;
    printf("Enter the Radius of the Circle\n");
    scanf("%f",&r);
    area=3.14*r*r;
    printf("Area of the Circle =%f",area);
    getch();
}
```

```
Enter the Radius of the Circle
34
Area of the Circle =3629.840088
```

```
3. #include<stdio.h>
#include<conio.h>
int main()
{
    float l,b,h,volume;
    printf("Enter the length, breadth and height of the cuboid\n");
    scanf("%f %f %f",&l,&b,&h);
    volume=l*b*h;
    printf("Volume of the Cuboid =%f",volume);
    getch();
}
```

```
Enter the length, breadth and height of the cuboid
17
23
36
Volume of the Cuboid =14076.000000
```

```
4. #include<stdio.h>
#include<conio.h>
int main()
{
    float p,r,t,SI;
    printf("Enter the Principal, Rate and Time\n");
    scanf("%f %f %f",&p,&r,&t);
    SI=(p*r*t)/100;
    printf("Simple Interest =%f",SI);
    getch();
}
```



A screenshot of a terminal window with a black background and white text. The text shows the execution of a C program. It starts with the prompt "Enter the Principal, Rate and Time". Below this, there are three lines of input, each preceded by a line number: "11", "22", and "33". The output of the program is "Simple Interest =79.860001".

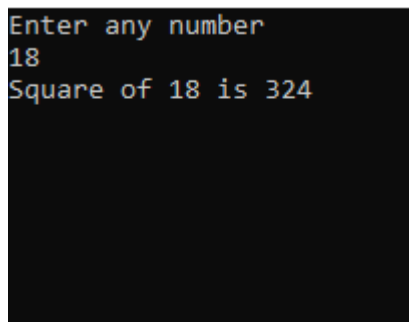
```
5. #include<stdio.h>
#include<conio.h>
int main()
{
    int l,b,area;
    printf("Enter the Length and Breadth of the Rectangle\n");
    scanf("%d %d",&l,&b);
    area=l*b;
    printf("Area of the Rectangle =%d",area);
    getch();
}
```

```
Enter the Length and Breadth of the Rectangle
23
36
Area of the Rectangle =828
```

```
6. #include<stdio.h>
#include<conio.h>
int main()
{
    int a,b,c;
    float avg;
    printf("Enter three numbers\n");
    scanf("%d %d %d",&a,&b,&c);
    avg=(a+b+c)/3;
    printf("Average =%f",avg);
    getch();
}
```

```
Enter three numbers
12
14
16
Average =14.000000
```

```
7. #include<stdio.h>
#include<conio.h>
int main()
{
    int num,square;
    printf("Enter any number\n");
    scanf("%d",&num);
    square=num*num;
    printf("Square of %d is %d",num,square);
    getch();
}
```



```
Enter any number
18
Square of 18 is 324
```

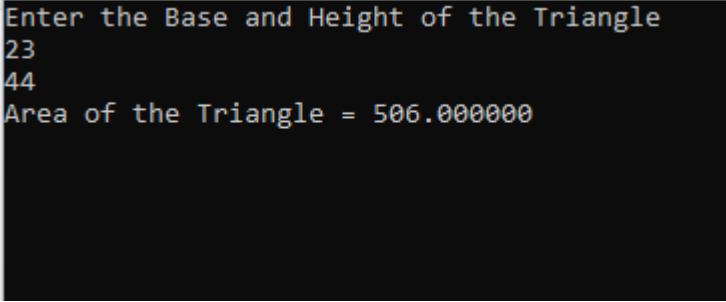
```
8. #include<stdio.h>
#include<conio.h>
int main()
{
    char ch;
    printf("Enter any Character\n");
    scanf("%c",&ch);
    printf("ASCII Code = %d",ch);
    getch();
}
```

```
Enter any Character  
a  
ASCII Code = 97
```

```
9. #include<stdio.h>
#include<conio.h>
int main()
{
    float CP,SP,profit;
    float profit_percent;
    printf("Enter the Cost Price and Selling Price of the
Product\n");
    scanf("%f %f",&CP,&SP);
    profit=SP-CP;
    profit_percent=(profit*100)/CP;
    printf("Profit Percentage of the Product %f",profit_percent);
    getch();
}
```

```
Enter the Cost Price and Selling Price of the Product
35
44
Profit Percentage of the Product = 25.714285
```

```
10. #include<stdio.h>
    #include<conio.h>
    int main()
    {
        int b,h;
        float area;
        printf("Enter the Base and Height of the Triangle\n");
        scanf("%d %d",&b,&h);
        area=0.5*b*h;
        printf("Area of the Triangle = %f",area);
        getch();
    }
```



A screenshot of a terminal window with a black background and white text. It shows the execution of a C program. The first line is the prompt "Enter the Base and Height of the Triangle". The second line shows the user input "23". The third line shows the user input "44". The fourth line shows the output "Area of the Triangle = 506.000000".

```
Enter the Base and Height of the Triangle
23
44
Area of the Triangle = 506.000000
```