

ASSIGNMENT 5

1. Write a program to calculate the sum of two numbers.

Ans- #include<stdio.h>

```
int main() {  
    int n1, n2, sum;  
    printf("Enter two numbers");  
    scanf("%d%d",&n1,&n2);  
    sum=n1+n2;  
    printf("%d",sum); }
```

2. Write a program to calculate the area of a circle.

Ans- #include<stdio.h>

```
int main() {  
    int radius, area;  
    printf("Enter Radius of Circle to calculate area");  
    scanf("%d", &radius);  
    area= ((radius*radius)*22/7);  
    printf("%d is the area of circle with radius %d",area,radius); }
```

3. Write a program to calculate the volume of a Cuboid.

Ans- #include<stdio.h>

```
int main() {  
    int length, breadth, height, vol;  
    printf("Enter Length, Breadth and Height of Cuboid");  
    scanf("%d%d%d", &length, &breadth, &height);  
    vol= length*breadth*height;  
    printf("%d is the Volume of Cuboid",vol); }
```

4. Write a program to calculate the simple interest

Ans- #include<stdio.h>

```
int main() {  
    int prin, rate, time,simp;
```

```
printf("Enter Principle Amount");  
  
scanf("%d",&prin);  
  
printf("Enter Time");  
  
scanf("%d",&time);  
  
printf("Enter Rate of Interest");  
  
scanf("%d",&rate);  
  
simp=prin*rate*time;  
  
printf("%d",simp/100); }
```

5. Write a program to calculate the area of a rectangle

Ans- #include<stdio.h>

```
int main() {  
  
int length, breadth, area;  
  
printf("Enter Length and Breadth of Rectangle");  
  
scanf("%d%d", &length, &breadth);  
  
area= length*breadth;  
  
printf("%d is the area of rectangle",area); }
```

6. Write a program to calculate the average of three numbers

Ans- #include<stdio.h>

```
int main() {  
  
int n1, n2, n3, avg;  
  
printf("Enter three numbers");  
  
scanf("%d%d%d",&n1,&n2,&n3);  
  
avg = n1+n2+n3;  
  
printf("%d"); avg/3); }
```

7. Write a program to calculate the square of a given number.

Ans- #include<stdio.h>

```
int main() {  
  
int n1, sqr;  
  
printf("Enter number");
```

```
scanf("%d",&n1);

sqr = n1*n1;

printf("%d"); sqr); }
```

8. Write a program which takes a character as input and print its ASCII code.

Ans- #include<stdio.h>

```
int main() {

char input;

printf("Enter an Alphabet");

scanf("%c",&input);

printf("ASCII Code for %c = %d", input, input); }
```

9. Write a program to calculate the profit percentage upon selling a product. Cost price and selling price are given by the user.

Ans- #include<stdio.h>

```
int main() {

double sp, cp, prfper;

printf("Enter Cost Price\n");

scanf("%lf", &cp);

printf("Enter Selling Price\n");

scanf("%lf", &sp);

prfper = ((sp-cp)*100/cp);

printf("%if is Profit Percentage when sold at %if", prfper, sp); }
```

10. Write a program to calculate the area of a triangle where base and height of the triangle are given.

Ans- #include<stdio.h>

```
int main() {

int base, height, area;

printf("Enter Base and Height of Triangle");

scanf("%d%d", &base, &height);

area= (base*height)/2;

printf("%d is the area of triangle", area); }
```