Assignment 2

1. Print " your name–SOA University " ?

Answer =

#include <stdio.h>

int main(){

char name[30]="Pabitra Pattanaik";

printf(" %s - SOA University ",name);

return 0;

}

Output =

Pabitra Pattanaik - SOA Universit

2. Print your name, mobile number and email id in different lines ?

Answer =

#include <stdio.h>

 int main() {

    printf("Name = Pabitra Pattanaik\n");

    printf("Mobile Number = 8658560838\n");

    printf("Email Id = pabitrapattanaik865@gmail.com\n");

    return(0);   }

3. Get int, float and char as input, then print the same ?

Answer =

```c
#include <stdio.h>

int main()

{

int a;

float b;

char c[10];

printf("Enter the integer value :");

scanf("%d",&a);

printf("Enter the decimal value :");

scanf("%f",&b);

printf("Enter the character value :");

scanf("%s",&c);

printf("\t The values are ");

printf("\n Integer = %d",a);

printf("\n Float = %f",b);
```

```c
printf("\n Character = %s ",c);

return(0);

}
```

Output =

Enter the integer value :5

Enter the decimal value :2.0

Enter the character value :Pabitra

The values are

 Integer = 5

 Float = 2.000000

 Character = Pabitra

4. Find the cube of the given number ?

Answer =

```c
#include <stdio.h>

int main()

{

int a, b;

printf("Enter a number = ");

scanf("%d",&a);

b  = a*a*a;

printf("The Cube of %d is = %d",a,b);

return(0); }
```

Enter a number = 5

The Cube of 5 is = 125

5. Find the sum of five given numbers ?

Answer =

```c
#include<stdio.h>
int main()
{
    int a1,a2,a3,a4,a5,sum;
    printf("Enter the value of five numbers =");
    scanf("%d %d %d %d %d",&a1,&a2,&a3,&a4,&a5);
    sum=a1+a2+a3+a4+a5;
    printf("\n After the sumation = %d ",sum);
    return(0);
}
```

Outpu =

Enter the value of five numbers =1

2

3

4

5

 After the sumation = 15

6. Find a student average mark given mark1 and mark2 ?

<u>Answer =</u>

```c
#include <stdio.h>

int main()

{

float mark1,mark2,average;

printf("Enter the student Marks = ");

scanf("%f %f",&mark1,&mark2);

average = (mark1+mark2)/2;

printf("Average mark of student is %f",average);

return(0);

}
```

<u>Output =</u>

Enter the student Marks = 55

78

Average mark of student is 66.500000

7. Calculate the total fine charged by library for late return books. The charge is 0.20 INR for 1 day ?

<u>Answer =</u>

```c
#include <stdio.h>

int main()
```

```c
{
float day,pay;

const float fine = 0.20;

printf("Enter the number of days = ");

scanf("%f",&day);

pay = fine * day;

printf("You have to pay Rs. %f fine.", pay);

return(0);

}
```

Out Put =

Enter the number of days = 15

You have to pay Rs. 3.000000 fine.

8.You had bought a nice shirt which cost Rs.29.90 exclusive of 15% discount. Count the discounted price for the shirt ?

Answer =

```c
#include <stdio.h>

int main()

{

float price = 29.90;

float discount = 0.15;

float amount, discount_cost ;
```

discount_cost = price * discount;

amount = price - discount_cost ;

printf("After discount calculation the price for the shirt is : %f ",amount);

return(0);

}

Output =

After discount calculation the price for the shirt is : 25.414999

9. swap two numbers with third variable ?

Answer =

#include <stdio.h>

int main()

{

int a,b,c;

printf("Enter Two numbers to perform swap operation = ");

scanf(" %d ",&a);

scanf(" %d ",&b);

printf("\nBefore swap the two numbers are =\t");

printf("%d \t %d ",a,b);

c=a;

a=b;

b=c;

printf("After swap the two numbers are = \t");

```
printf("%d \t %d ",a,b);

return(0);

}
```

Enter Two numbers to perform swap operation = 5

6

Before swap the two numbers are =   5   6

 After swap the two numbers are =   6   5

10. swap two numbers without third variable(By + and– (or)By * and /) ?

Answer =


```
#include <stdio.h>

int main()

{

int a,b;

printf("Enter Two numbers to perform swap operation = ");

scanf(" %d ",&a);

scanf(" %d ",&b);

printf("\nBefore swap the two numbers are =\t");

printf("%d \t %d ",a,b);
```

```
a=a+b;

b=a-b;

a=a-b;

printf( "After swap the two numbers are = \t");

printf("%d \t %d ",a,b);

return(0);

}
```

Output =

Enter Two numbers to perform swap operation = 5

6

Before swap the two numbers are =   5   6

 After swap the two numbers are =   6   5

Assignment – 2 Submitted By

Name = Pabitra Pattanaik
Email= pabitrapattanaik865@gmail.com