

## Assignment - 2

1) #include <stdio.h>

int main ()

{

printf ("your name is

printf ("Swayam Prava Rathi - SOA univer-

return 0;

}

Output : Swayam Prava Rathi - SOA university

2) #include <stdio.h>

int main ()

{

printf ("Name: Swayam Prava Rathi");

printf ("Mob no: 7377538171");

printf ("Email id: Swayampravarathi299@gmail.com");

return 0;

}

Output :

Name : Swayam Prava Rathi

Mob no: 7377538171

Email id: Swayampravarathi299@gmail.com

3) #include <stdio.h>

int main ()

{

int i value;

float f value;

char c value;

printf ("Enter integer, float and character values:");

scanf ("%d %f %c", &i, &f, &c);

```

printf("Integer value : %d\n", value);
printf("Float value : %f\n", value);
printf("Character value : %c\n", value);
return 0;
}

```

Output :

Input integer, float and character value  
 Integer value : 10  
 Float value : 2.340000  
 Character value : X

```

(4) #include <stdio.h>
int main()
{
    int n = 5;
    printf("Cube of %d = %d", n, (n*n*n));
    return 0;
}

```

Output :

Cube of 5 = 125.

```

(5) #include <stdio.h>
void main()
{
    int a, b, c, d, e, sum;
    printf("Enter the 5 numbers:");
    scanf("%d %d %d %d %d", &a, &b, &c, &d, &e);
    sum = a + b + c + d + e;
    printf("\n Sum is: ", sum);
}

```

Output: Enter the 5 numbers : 2 3 5 7 2  
 Sum is : 19.

```
(6) #include <stdio.h>
void main()
```

```
{
    float mark1, mark2, Average;
    printf("Enter mark 1");
    scanf("%f", &mark1);
    printf("Enter mark 2");
    scanf("%f", &mark2);
    Average = (mark1 + mark2) / 2;
    printf("Average of mark1 and mark2");
}
```

output:

Enter mark1: 89

Enter mark2: 71

Average of mark1 and mark2: 80.

```
(7) #include <stdio.h>
int main()
{
```

```
    int days, fine;
```

```
    printf("Number of days late:");
```

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

```
    printf("You have to pay fine of 0.20");
}
```

output:

Number of days late:

you have to pay fine: 0.20

(8) # include <stdio.h>  
#include <conio.h>

```
int main()  
{  
    float price;  
    float discount_percentage;  
    float discount_amount;  
    float discounted_price;  
    printf("Enter price of item : ");  
    scanf("%f", &price);  
    printf("Enter discount percentage of item : ");  
    scanf("%f", &discount_percentage);  
    discount_amount = (discount_percentage * price) / 100;  
    discounted_price = (price - discount_amount);  
    printf("Discount amount : %f\n", discount_amount);  
    printf("Discounted price : %f\n", discounted_price);  
}
```

Output : Enter price of item : 99.90  
Enter discount percentage of item : 15  
Discount amount : 14.985  
Discounted price : 84.915



```

(9) #include <stdio.h>
#include <conio.h>
void main()
{

```

```

    int a, b, temp;

```

```

    clrscr();

```

```

    printf("\n Type any two nos to swap");

```

```

    printf("\n A = ");

```

```

    scanf("%d", &a);

```

```

    printf("\n B = ");

```

```

    scanf("%d", &b);

```

```

    printf("\n\n numbers after Swapping");

```

```

    printf("\n A = %d & B = %d", a, b);

```

```

    getch();
}

```

output: Type any two numbers to swap

A = 34

B = 45

Numbers after Swapping

A = 45

B = 34

```

(10) #include <stdio.h>
int main()
{

```

```

    int a = 10, b = 20;

```

```

    printf("Before swap a = %d b = %d", a, b);

```

```

    a = a + b;

```

```

    b = a - b;

```

```

    a = a - b;

```

```

    a = a * b;

```

```

    b = a / b;

```

```

    a = a / b;

```

Prints ("After Swap a = 20, b = 10",  
a, b);

return 0;

Output: Before Swap : a = 10, b = 20  
After Swap : a = 20, b = 10