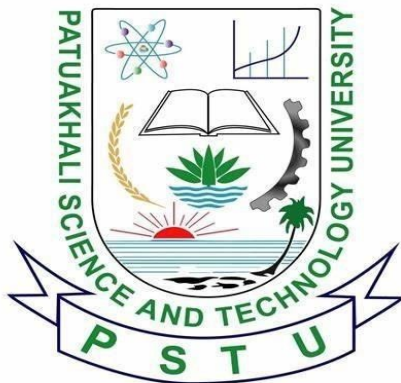


# PATUAKHALI SCIENCE AND TECHNOLOGY UNIVERSITY



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Course Code: CIT-112

## SUBMITTED TO:

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### 3.1

```
#include<stdio.h>
int main()
{
    int i;
    float n,sum=0;
    printf("Enter n:");
    scanf("%f",&n);
    for(i=1;i<=n;i++)
    {
        sum= sum + 1/n;

    }
    printf("The sum is : %f",sum);

}
```

### 3.2

```
#include<stdio.h>
int main()
{
    printf("*****LIST OF ITEMS*****\n");
    printf("Items    Price\n");
    printf("Rice      Rs 16.75\n");
    printf("Suger     Rs 15.00\n");
}
```

### 3.3

```
#include<stdio.h>
int main()
{
    int n;
    printf("Enter a number:");
    scanf("%d",&n);
    if(n>0)
        printf("Positive number");
    if(n<0)
```

```

    printf("Negative number");
if(n==0)
    printf("number is Zero");

}

```

### 3.4

```

#include<stdio.h>
int main()
{
    int x,y,z;
    x=123456;
    y=654321;
    z=x+y;
    printf("The sum is %d",z);
}

```

### 3.5

```

#include<stdio.h>
typedef struct details
{
    int age;
    int id;
}student;
int main( )
{
    student s1;
    printf("TechVidvan Tutorial: Example of typedef in C!\n\n");
    s1.age = 21;
    s1.id = 3;
    printf("Age of the student is: %d\n", s1.age);
    printf("Id of the student is: %d\n", s1.id);
    return 0;
}

```

### 3.7

```

#include<stdio.h>
int main()
//The sum of diagonal elements

```

```

{
    int n1,n2,i,j,a[100][100],sum=0;
    printf("Enter raw number : ");
    scanf("%d",&n1);
    printf("Enter columb number : ");
    scanf("%d",&n2);
    for(i=0;i<n1;i++)
    {
        for(j=0;j<n2;j++)
        {
            scanf("%d",&a[i][j]);
        }
    }
    printf("Matrix A:\n");
    for(i=0;i<n1;i++)
    {
        for(j=0;j<n2;j++)
        {
            printf("A[%d][%d] = %d ",i,j,a[i][j]);

        }
        printf("\n");
    }
}

```

### 3.8

```

#include<stdio.h>
int main()
{
    int x;
    printf("Enter the number which you want to square");
    scanf("%d",&x);

    printf("The Square is %d",x*x);
}

```

### 3.9

```
#include<stdio.h>
int main()
{   char n;
    printf("Enter an interger nunmber between 0 to 128: ");
    scanf("%d",&n);
    printf("The ASCII value of the character is: %c",n);
    return 0;
}
```

### 3.10

```
#include<stdio.h>
int main()
{
    int year,t,rd,rd2,month,week,days;
    printf("Enter days numbers: ");
    scanf("%d",&t);
    //rh=remain second after getting hours
    year=t/365;
    rd=t%365;
    month=rd/30;
    rd2=rd%30;
    week=rd2/7;
    days=rd2%7;
    printf("Days are %d years, %d months, %d weeks, %d days",year,month,week,days);
    return 0;
}
```

### 3.11

```
#include<stdio.h>
int main()
{
    float x,y;
    printf("Enter the car distance travel:");
    scanf("%f",&x);

    printf("Enter the consumed fuel:");
    scanf("%f",&y);
}
```

```
float z= x / y ;

printf("The Square is %f",z);
}
```

### 3.12

```
#include <stdio.h>
int main() {
    int amt, total;
    printf("Input the amount: ");
    scanf("%d",&amt);

    total = (int)amt/100;

    printf("There are: ");

    printf("\n%d Note(s) of 100.00\n", total);

    amt = amt-(total*100);

    total = (int)amt/50;

    printf("%d Note(s) of 50.00\n", total);

    amt = amt-(total*50);

    total = (int)amt/20;

    printf("%d Note(s) of 20.00\n", total);

    amt = amt-(total*20);

    total = (int)amt/10;

    printf("%d Note(s) of 10.00\n", total);

    amt = amt-(total*10);

    total = (int)amt/5;
```

```
printf("%d Note(s) of 5.00\n", total);

amt = amt-(total*5);

total = (int)amt/2;

printf("%d Note(s) of 2.00\n", total);

amt = amt-(total*2);

total = (int)amt/1;

printf("%d Note(s) of 1.00\n", total);

return 0;
}
```