**PATUAKHALI SCIENCE AND TECHNOLOGY UNIVERSITY**

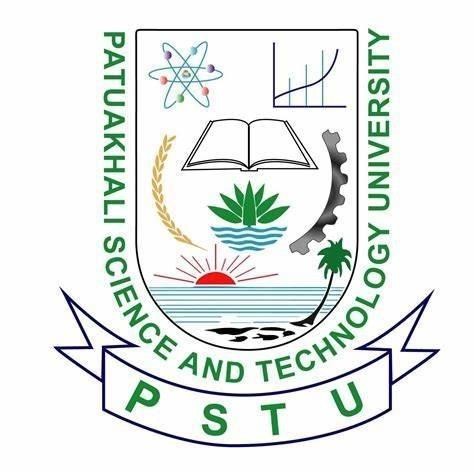
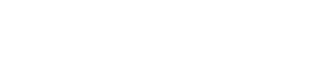
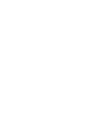
Course Code: C

IT

-

11

2



**SUBMITTED TO:**

Prof. MD Mahbubur Rahman Sir

**Department of Computer Science And Communication**

**Engineering**

**Faculty of Computer Science And Engineering**

**SUBMITTED BY:**

Name: MD Noushad Bhuiyan

ID: 2102038, Registration No: 10165

Faculty of Computer Science and Engineering

**Date of submission: 25-3-2023**

1

**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;

}