**Assignment 06 Pointers**

#include <stdio.h>

// Do all type 3 (with parameter, w/o return type) function programs using pointer.

void assignment01();

void assignment02();

void assignment03();

// void assignment04();

void areaAndPerimetere();

void sumOfDigitAndReverse();

void marriageEligibility();

void calculator();

void UseChoice();

void tempConvert(int \*);

void areaofRect(int \*, int \*);

void evenOdd(int \*);

void circumference(float \*);

void areaofCircle(float \*);

void perimeter(int \*, int \*);

void salary(float \*);

void discount(float \*);

void addition(int \*, int \*);

void substraction(int \*, int \*);

void multiplication(int \*, int \*);

void division(int \*, int \*);

void greatOfThree(int \*, int \*, int \*);

void tableOfNum(int \*);

void sumOfFirstAndLastDigit(int \*);

void sumOfDigits(int \*);

void reverseNum(int \*);

void discountStudent(float \*);

void OneToTen(int \*);

void sumOfNumdinrange(int \*, int \*);

void isPrime(int \*);

void armstrong(int \*);

void perfect(int \*);

void factorial(int \*);

void strong(int \*);

void palindrome(int \*);

void main()

{

    printf("|| Pointers Assignment 06 ||\n");

    int ch = 1;

    while (ch)

    {

        printf(" \t \t \t Choices \n");

        printf(" \t1) Assignment 01 Questions. \t2) Assignment 02 Questions. \t3) Assignment 03 Questions.  \n");

        printf("\n Enter Zero 0 to exit : \n");

        printf("\nEnter your choice : \n");

        scanf("%d", &ch);

        if (ch < 0 && ch > 20)

        {

            printf("\n Invalid choice brooo...! \n");

        }

        else if (ch == 1)

        {

            assignment01();

        }

        else if (ch == 2)

        {

            assignment02();

        }

        else if (ch == 3)

        {

            assignment03();

        }

        // else if (ch == 4)

        // {

        //     assignment04();

        // }

    }

}

void assignment01()

{

    int ch = 1, tempCl;

    while (ch)

    {

        printf("\n Eneter your choice : \n");

        printf("1) Temp Convert: \n");

        printf("2) Area And Perimeter: \n");

        printf("3) Sum Of Digits and Reverse: \n");

        printf("4) Even Odd : \n");

        printf("5) Salary: \n");

        printf("6) Marriage Eligibility: \n");

        scanf("%d", &ch);

        if (ch > 6 || ch <= 0)

        {

            printf("Inavalid Choice !");

        }

        else if (ch == 1)

        {

            printf("Enter temparature in Celcious : ");

            scanf("%d", &tempCl);

            tempConvert(&tempCl);

            printf("%d original temp", tempCl);

        }

        else if (ch == 2)

        {

            areaAndPerimetere();

        }

        else if (ch == 3)

        {

            sumOfDigitAndReverse();

        }

        else if (ch == 4)

        {

            int num;

            printf("Enter A Number : \n");

            scanf("%d", &num);

            evenOdd(&num);

        }

        else if (ch == 5)

        {

            float baseSalary;

            printf("\n Enter Base Salary :  \n");

            scanf("%f", &baseSalary);

            salary(&baseSalary);

        }

        else if (ch == 6)

        {

            marriageEligibility();

        }

    }

}

void assignment02()

{

    int ch = 1;

    while (ch)

    {

        printf("\n Eneter your choice : \n");

        printf("1) Discount: \n");

        printf("2) Greatest of Three: \n");

        printf("3) calculator: \n");

        printf("4) UserChoice : \n");

        printf("5) Student Discount: \n");

        printf("Enter 0 To exit");

        scanf("%d", &ch);

        if (ch > 5 || ch < 0)

        {

            printf("Inavalid Choice !");

        }

        else if (ch == 1)

        {

            float Op;

            printf("Enter Original Price broo:");

            scanf("%f", &Op);

            discount(&Op);

        }

        else if (ch == 2)

        {

            printf("Gretest of Three Numbers \n");

            // get value of a b c from user

            printf("\n Enter 3 Numbers :");

            int A, B, C;

            scanf("%d%d%d", &A, &B, &C);

            greatOfThree(&A, &B, &C);

        }

        else if (ch == 3)

        {

            calculator();

        }

        else if (ch == 4)

        {

            UseChoice();

        }

        else if (ch == 5)

        {

            float price, finalprice;

            printf("Enter Price of the product : \n");

            scanf("%f", &price);

            discountStudent(&price);

        }

        else if (ch == 0)

        {

            break;

        }

    }

}

void assignment03()

{

    int ch = 1;

    int num = 1;

    while (ch)

    {

        printf("\n Eneter your choice : \n");

        printf("1) one to ten: \n");

        printf("2) Table of Num: \n");

        printf("3) Sum of nums in range : \n");

        printf("4) is prime: \n");

        printf("5) Armstrong: \n");

        printf("6) Perfect No: \n");

        printf("7) Factorial: \n");

        printf("8) Strong Num: \n");

        printf("9) Palindrome: \n");

        printf("10) Sum Of Frirst and Last Digit: \n");

        printf("0) Exit : \n");

        scanf("%d", &ch);

        if (ch > 10 || ch <= 0)

        {

            printf("Inavalid Choice !");

        }

        else if (ch == 1)

        {

            OneToTen(&num);

        }

        else if (ch == 2)

        {

            printf("Enter a number. \n");

            scanf("%d", &num);

            tableOfNum(&num);

        }

        else if (ch == 3)

        {

            int start, end;

            printf("Enter starting range :");

            scanf("%d", &start);

            // printf("\n");

            printf("Enter Ending range : ");

            scanf("%d", &end);

            sumOfNumdinrange(&start, &end);

        }

        else if (ch == 4)

        {

            printf("Enter a number to cheack Prime or Not :");

            scanf("%d", &num);

            isPrime(&num);

        }

        else if (ch == 5)

        {

            printf("Enter A number to cheack armstrong. : ");

            scanf("%d", &num);

            armstrong(&num);

        }

        else if (ch == 6)

        {

            printf("Enter A number :");

            scanf("%d", &num);

            perfect(&num);

        }

        else if (ch == 7)

        {

            printf("Enter A number :");

            scanf("%d", &num);

            factorial(&num);

        }

        else if (ch == 8)

        {

            printf("Enter a number : ");

            scanf("%d", &num);

            strong(&num);

        }

        else if (ch == 9)

        {

            printf("Enter a number : ");

            scanf("%d", &num);

            palindrome(&num);

        }

        else if (ch == 10)

        {

            printf("Enter A number : ");

            scanf("%d", &num);

            sumOfFirstAndLastDigit(&num);

        }

    }

}

// void assignment04()

// {

// }

void tempConvert(int \*x)

{

    float fr = (9.0 / 5.0) \* (\*x) + 32;

    printf("Temparature In feranhite is :%.2f \n", fr);

}

void areaAndPerimetere()

{

    printf("What do you want to do brooo. \n");

    int ch;

    float rad;

    int L, W;

    printf("1> Area of Circle\n");

    printf("2> Area of Reactangle\n");

    printf("3> Perimeter of Reactangle \n");

    printf("4> Circumference of Circle\n");

    scanf("%d", &ch);

    if (ch == 0 || ch > 4 || ch < 0)

    {

        printf("Invalid Choice broooo!!!");

    }

    else if (ch == 1)

    {

        printf("Enter Radious of Circle");

        scanf("%f", &rad);

        areaofCircle(&rad);

    }

    else if (ch == 2)

    {

        printf("\n");

        printf("\n Enter Length and Width of Reactangle : \n");

        scanf("%d%d", &L, &W);

        areaofRect(&L, &W);

    }

    else if (ch == 3)

    {

        printf("\n");

        printf("\n Enter Length and Width of Reactangle : \n");

        scanf("%d%d", &L, &W);

        perimeter(&L, &W);

    }

    else if (ch == 4)

    {

        printf("Enter Radious of Circle");

        scanf("%f", &rad);

        circumference(&rad);

    }

}

void areaofCircle(float \*rad)

{

    const float PI = 3.14;

    float areaOfCir = PI \* ((\*rad) \* (\*rad));

    printf("\n %.2f is area of Circle. \n", areaOfCir);

}

void circumference(float \*rad)

{

    const float PI = 3.14;

    float Circumfer = 2.0 \* PI \* (\*rad);

    printf("\n %f is circumference of the circle.", Circumfer);

}

void areaofRect(int \*L, int \*W)

{

    printf("%d is area of Rectangle: ", (\*L) \* (\*W));

}

void perimeter(int \*L, int \*W)

{

    printf("\n %d is perimeter of Rectangle. \n", (2 \* ((\*L) + (\*W))));

}

void sumOfDigitAndReverse()

{

    printf("What do you Whant to do : \n");

    printf("1> Sum Of Digits of number: \n");

    printf("2> Reverse the number : \n");

    int ch, num;

    scanf("%d", &ch);

    printf("Enter a Number : \n");

    scanf("%d", &num);

    if (ch == 1)

    {

        sumOfDigits(&num);

    }

    else if (ch == 2)

    {

        reverseNum(&num);

    }

    else

    {

        printf("Invalid Choice brooo!! \n");

    }

}

void sumOfDigits(int \*num)

{

    int sum = 0;

    for ((\*num); (\*num) > 0; (\*num) /= 10)

    {

        sum += ((\*num) % 10);

    }

    printf("\n %d is A Sum Of digits of number. \n", sum);

}

void reverseNum(int \*num)

{

    int rev = 0;

    for ((\*num); (\*num) > 0; (\*num) /= 10)

    {

        rev = (rev \* 10) + ((\*num) % 10);

    }

    printf("\n %d is Reverse Number. \n", rev);

}

void evenOdd(int \*num)

{

    if ((\*num) % 2 == 0)

    {

        printf("\n Number is Even! \n");

    }

    else

    {

        printf("\n Number is odd! \n");

    }

}

void salary(float \*baseSalary)

{

    float DA, TA, HRA;

    if ((\*baseSalary) <= 5000)

    {

        DA = 0.10 \* (\*baseSalary);

        TA = 0.20 \* (\*baseSalary);

        HRA = 0.25 \* (\*baseSalary);

    }

    else

    {

        DA = 0.15 \* (\*baseSalary);

        TA = 0.25 \* (\*baseSalary);

        HRA = 0.30 \* (\*baseSalary);

    }

    printf("\n %.4f is your Total Salary \n", (DA + TA + HRA + (\*baseSalary)));

}

void marriageEligibility()

{

    int maleAge, femaleAge;

    char gender;

    printf("\n Enter Your Gender (f/m): ");

    fflush(stdin);

    scanf("%c", &gender);

    if (gender == 'm')

    {

        printf("\n Enter age of male: \n");

        scanf("%d", &maleAge);

    }

    else if (gender == 'f')

    {

        printf("\n Enter age of Female: \n");

        scanf("%d", &femaleAge);

    }

    if (gender == 'f' && femaleAge >= 18 || gender == 'm' && maleAge >= 21)

    {

        printf("Eligible to marry");

    }

    else

    {

        printf("Not Eligible to marry");

    }

}

void discount(float \*Op)

{

    float finalPrice;

    if ((\*Op) <= 1000)

    {

        finalPrice = (\*Op) - (0.05 \* (\*Op));

        printf("%.2f is final price with 5%% discount on original price %.2f ", finalPrice, (\*Op));

    }

    else if ((\*Op) <= 5000)

    {

        finalPrice = (\*Op) - (0.10 \* (\*Op));

        printf("%.2f is final price with 10%% discount on original price %.2f ", finalPrice, (\*Op));

    }

    else if ((\*Op) <= 10000)

    {

        finalPrice = (\*Op) - (0.20 \* (\*Op));

        printf("%.2f is final price with 20%% discount on original price %.2f  ", finalPrice, (\*Op));

    }

    else if ((\*Op) > 10000)

    {

        finalPrice = (\*Op) - (0.25 \* (\*Op));

        printf("%.2f is final price with 25%% discount on original price %.2f ", finalPrice, (\*Op));

    }

}

void calculator()

{

    printf("Enetr your Choice: \n");

    printf("A Addition \n");

    printf("S Substraction \n");

    printf("M Multiplication \n");

    printf("D Dividion \n");

    char op = getch();

    int A, B;

    if (op == 'A')

    {

        printf("Chosen Operation is Addition.. \n ");

        printf("Enter Two numbers : ");

        scanf("%d%d", &A, &B);

        addition(&A, &B);

    }

    else if (op == 'S')

    {

        printf("Chosen Operation is Substraction.. \n ");

        printf("Enter Two numbers : ");

        scanf("%d%d", &A, &B);

        substraction(&A, &B);

    }

    else if (op == 'M')

    {

        printf("Chosen Operation is Multiplication.. \n ");

        printf("Enter Two numbers : ");

        scanf("%d%d", &A, &B);

        multiplication(&A, &B);

    }

    else if (op == 'D')

    {

        printf("Enter Two numbers : ");

        scanf("%d%d", &A, &B);

        printf("Chosen Operation is Division.. \n ");

        division(&A, &B);

    }

}

void addition(int \*A, int \*B)

{

    printf("\n %d is a Addition.", ((\*A) + (\*B)));

}

void division(int \*A, int \*B)

{

    if (A < B)

    {

        printf("\n %d is Division. \n", ((\*B) / (\*A)));

    }

    else

    {

        printf("\n %d is Division. \n", ((\*A) / (\*B)));

    }

}

void substraction(int \*A, int \*B)

{

    printf("\n %d is Substraction. \n", ((\*B) - (\*A)));

}

void multiplication(int \*A, int \*B)

{

    printf("\n %d is a Multiplication.", ((\*A) \* (\*B)));

}

void UseChoice()

{ // Choice to be taken from user when learn about Scan

    printf("\n Enter Your choice \n");

    printf("\n E for EvenOdd \n");

    printf("\n S for Slary Calculation \n");

    printf("\n G for Finding greatest of three. \n");

    char choice = getch();

    if (choice == 'E')

    {

        int num;

        printf("Enter A number to check Even or Odd \n");

        scanf("%d", &num);

        evenOdd(&num);

    }

    else if (choice == 'S')

    {

        printf("Salary calculation \n");

        float baseSalary;

        printf("Enter Base salary: \n");

        scanf("%f", &baseSalary);

        salary(&baseSalary);

    }

    else if (choice == 'G')

    {

        printf("Gretest of Three Numbers \n");

        // get value of a b c from user

        printf("\n Enter 3 Numbers :");

        int A, B, C;

        scanf("%d%d%d", &A, &B, &C);

        greatOfThree(&A, &B, &C);

    }

}

void greatOfThree(int \*A, int \*B, int \*C)

{

    printf("%d is the greatest.\n", (\*A) > (\*B) && (\*A) > (\*C) ? (\*A) : ((\*B) > (\*C) ? (\*B) : (\*C)));

}

void discountStudent(float \*price)

{

    float finalprice;

    printf("Are you a Student ? (Y/N) \n");

    char std = getch();

    if (std == 'Y')

    {

        if ((\*price) >= 500)

        {

            finalprice = (\*price) - ((\*price) \* 0.20);

        }

        else

        {

            finalprice = (\*price) - ((\*price) \* 0.10);

        }

    }

    else if (std == 'N' && (\*price) > 600)

    {

        finalprice = (\*price) - ((\*price) \* 0.15);

    }

    else

    {

        finalprice = (\*price);

    }

    printf("Final price is : %.2f", finalprice);

}

void OneToTen(int \*num)

{

    while ((\*num) <= 10)

    {

        printf("%d \n", (\*num));

        (\*num)++;

    }

    printf("%d is exit value of num.", (\*num));

}

void tableOfNum(int \*num)

{

    int i = 1;

    while (i <= 10)

    {

        printf("%d \* %d = %d \n", (\*num), i, (\*num) \* i);

        i++;

    }

    printf("Exit value of i = %d", i);

}

void sumOfNumdinrange(int \*start, int \*end)

{

    int sum = 0;

    int temp = (\*start);

    while (temp <= (\*end))

    {

        sum += temp;

        temp++;

    }

    printf("Sum of numbers between %d to %d is = %d", (\*start), (\*end), sum);

}

void isPrime(int \*num)

{

    int i = 2, cnt = 0;

    while (i <= (\*num) / 2)

    {

        if ((\*num) % i == 0)

        {

            cnt = 1;

            break;

        }

        i++;

    }

    (cnt > 0 || (\*num) == 1) ? printf("num %d is not Prime. \n", (\*num)) : printf("num %d is  Prime. \n", (\*num));

    printf("Exit value of I is : %d", i);

}

void armstrong(int \*num)

{

    int rem = 0;

    int armN = 0;

    int temp = (\*num);

    while (temp)

    {

        rem = temp % 10;

        armN += rem \* rem \* rem;

        temp /= 10;

    }

    if (armN == (\*num))

    {

        printf("Number %d is Armstrong Number.", (\*num));

    }

    else

    {

        printf("Number %d is not Armstrong Number.", (\*num));

    }

}

void perfect(int \*num)

{

    int i = 1, cnt = 0, sumOfDivisor = 0;

    while (i < (\*num))

    {

        if ((\*num) % i == 0)

        {

            sumOfDivisor += i;

            cnt++;

        }

        i++;

    }

    (sumOfDivisor == (\*num)) ? printf("Number %d is perfect number", (\*num)) : printf("%d is not perfect number", (\*num));

}

void factorial(int \*num)

{

    int Fact = 1;

    if ((\*num) < 0)

    {

        printf("Invalid number!");

    }

    else if ((\*num) > 0)

    {

        // while (num)

        // {

        //     Fact \*= num;

        //     num--;

        // }

        for (int i = 2; i <= (\*num); i++)

            Fact \*= i;

    }

    printf("%d is factorial of entered number", Fact);

}

void strong(int \*num)

{

    int temp = (\*num);

    int FcatSum = 0;

    while (temp != 0)

    {

        int rem = temp % 10;

        int fact = 1;

        if (rem > 0)

        {

            while (rem)

            {

                fact \*= rem;

                rem--;

            }

            FcatSum += fact;

            temp /= 10;

        }

        else

        {

            FcatSum += fact;

            temp /= 10;

        }

    }

    // printf("%d is factsum.", FcatSum);

    if (FcatSum == (\*num))

    {

        printf("%d is a strong number", (\*num));

    }

    else

    {

        printf("%d is not a strong number.", (\*num));

    }

}

void palindrome(int \*num)

{

    int temp = (\*num);

    int rev = 0;

    while (temp)

    {

        // printf("\n %d temp ", temp);

        int rem = temp % 10;

        rev = (rev \* 10) + rem;

        temp /= 10;

    }

    (rev == (\*num)) ? printf("%d is a palindrome Number.", (\*num)) : printf("%d Is not a palindrome number", (\*num));

}

void sumOfFirstAndLastDigit(int \*num)

{

    int lastDigit, firstDigit;

    lastDigit = (\*num) % 10;

    firstDigit = (\*num) / 10;

    while (firstDigit >= 10)

    {

        firstDigit /= 10;

    }

    int sum = firstDigit + lastDigit;

    printf("%d is sum of first and last digit of given numbr %d.", sum, num);

}

Output:

PS C:\Code> & 'c:\Users\bhagv\.....\TDM-GCC-64\bin\gdb.exe' '--interpreter=mi'

|| Pointers Assignment 06 ||

Choices

1) Assignment 01 Questions. 2) Assignment 02 Questions. 3) Assignment 03 Questions.

Enter Zero 0 to exit :

Enter your choice :

1

Eneter your choice :

1) Temp Convert:

2) Area And Perimeter:

3) Sum Of Digits and Reverse:

4) Even Odd :

5) Salary:

6) Marriage Eligibility:

1

Enter temparature in Celcious : 123

Temparature In feranhite is :253.40

123 original temp

Eneter your choice :

1) Temp Convert:

2) Area And Perimeter:

3) Sum Of Digits and Reverse:

4) Even Odd :

5) Salary:

6) Marriage Eligibility:

2

What do you want to do brooo.

1> Area of Circle

2> Area of Reactangle

3> Perimeter of Reactangle

4> Circumference of Circle

1

Enter Radious of Circle22

1519.76 is area of Circle.

Eneter your choice :

1) Temp Convert:

2) Area And Perimeter:

3) Sum Of Digits and Reverse:

4) Even Odd :

5) Salary:

6) Marriage Eligibility:

3

What do you Whant to do :

1> Sum Of Digits of number:

2> Reverse the number :

2

Enter a Number :

54321

12345 is Reverse Number.

Eneter your choice :

1) Temp Convert:

2) Area And Perimeter:

3) Sum Of Digits and Reverse:

4) Even Odd :

5) Salary:

6) Marriage Eligibility:

4

Enter A Number :

26

Number is Even!

Eneter your choice :

1) Temp Convert:

2) Area And Perimeter:

3) Sum Of Digits and Reverse:

4) Even Odd :

5) Salary:

6) Marriage Eligibility:

5

Enter Base Salary :

1200000

2040000.0000 is your Total Salary

Eneter your choice :

1) Temp Convert:

2) Area And Perimeter:

3) Sum Of Digits and Reverse:

4) Even Odd :

5) Salary:

6) Marriage Eligibility:

6

Enter Your Gender (f/m): m

Enter age of male:

21

Eligible to marry

Eneter your choice :

1) Temp Convert:

2) Area And Perimeter:

3) Sum Of Digits and Reverse:

4) Even Odd :

5) Salary:

6) Marriage Eligibility:

0

Inavalid Choice ! Choices

1) Assignment 01 Questions. 2) Assignment 02 Questions. 3) Assignment 03 Questions.

Enter Zero 0 to exit :

Enter your choice :

2

Eneter your choice :

1) Discount:

2) Greatest of Three:

3) calculator:

4) UserChoice :

5) Student Discount:

Enter 0 To exit1

Enter Original Price broo:1200

1080.00 is final price with 10% discount on original price 1200.00

Eneter your choice :

1) Discount:

2) Greatest of Three:

3) calculator:

4) UserChoice :

5) Student Discount:

Enter 0 To exit2

Gretest of Three Numbers

Enter 3 Numbers :12

23

87

87 is the greatest.

Eneter your choice :

1) Discount:

2) Greatest of Three:

3) calculator:

4) UserChoice :

5) Student Discount:

Enter 0 To exit3

Enetr your Choice:

A Addition

S Substraction

M Multiplication

D Dividion

Chosen Operation is Multiplication..

Enter Two numbers : 023

097

2231 is a Multiplication.

Eneter your choice :

1) Discount:

2) Greatest of Three:

3) calculator:

4) UserChoice :

5) Student Discount:

Enter 0 To exit4

Enter Your choice

E for EvenOdd

S for Slary Calculation

G for Finding greatest of three.

Enter A number to check Even or Odd

23

Number is odd!

Eneter your choice :

1) Discount:

2) Greatest of Three:

3) calculator:

4) UserChoice :

5) Student Discount:

Enter 0 To exit5

Enter Price of the product :

1200

Are you a Student ? (Y/N)

Final price is : 960.00

Eneter your choice :

1) Discount:

2) Greatest of Three:

3) calculator:

4) UserChoice :

5) Student Discount:

Enter 0 To exit0

Choices

1) Assignment 01 Questions. 2) Assignment 02 Questions. 3) Assignment 03 Questions.

Enter Zero 0 to exit :

Enter your choice :

3

Eneter your choice :

1) one to ten:

2) Table of Num:

3) Sum of nums in range :

4) is prime:

5) Armstrong:

6) Perfect No:

7) Factorial:

8) Strong Num:

9) Palindrome:

10) Sum Of Frirst and Last Digit:

0) Exit :

1

1

2

3

4

5

6

7

8

9

10

11 is exit value of num.

Eneter your choice :

1) one to ten:

2) Table of Num:

3) Sum of nums in range :

4) is prime:

5) Armstrong:

6) Perfect No:

7) Factorial:

8) Strong Num:

9) Palindrome:

10) Sum Of Frirst and Last Digit:

0) Exit :

2

Enter a number.

29

29 \* 1 = 29

29 \* 2 = 58

29 \* 3 = 87

29 \* 4 = 116

29 \* 5 = 145

29 \* 6 = 174

29 \* 7 = 203

29 \* 8 = 232

29 \* 9 = 261

29 \* 10 = 290

Exit value of i = 11

Eneter your choice :

1) one to ten:

2) Table of Num:

3) Sum of nums in range :

4) is prime:

5) Armstrong:

6) Perfect No:

7) Factorial:

8) Strong Num:

9) Palindrome:

10) Sum Of Frirst and Last Digit:

0) Exit :

3

Enter starting range :1

Enter Ending range : 13

Sum of numbers between 1 to 13 is = 91

Eneter your choice :

1) one to ten:

2) Table of Num:

3) Sum of nums in range :

4) is prime:

5) Armstrong:

6) Perfect No:

7) Factorial:

8) Strong Num:

9) Palindrome:

10) Sum Of Frirst and Last Digit:

0) Exit :

4

Enter a number to cheack Prime or Not :22

num 22 is not Prime.

Exit value of I is : 2

Eneter your choice :

1) one to ten:

2) Table of Num:

3) Sum of nums in range :

4) is prime:

5) Armstrong:

6) Perfect No:

7) Factorial:

8) Strong Num:

9) Palindrome:

10) Sum Of Frirst and Last Digit:

0) Exit :

5

Enter A number to cheack armstrong. : 1232

Number 1232 is not Armstrong Number.

Eneter your choice :

1) one to ten:

2) Table of Num:

3) Sum of nums in range :

4) is prime:

5) Armstrong:

6) Perfect No:

7) Factorial:

8) Strong Num:

9) Palindrome:

10) Sum Of Frirst and Last Digit:

0) Exit :

6

Enter A number :6

Number 6 is perfect number

Eneter your choice :

1) one to ten:

2) Table of Num:

3) Sum of nums in range :

4) is prime:

5) Armstrong:

6) Perfect No:

7) Factorial:

8) Strong Num:

9) Palindrome:

10) Sum Of Frirst and Last Digit:

0) Exit :

7

Enter A number :5

120 is factorial of entered number

Eneter your choice :

1) one to ten:

2) Table of Num:

3) Sum of nums in range :

4) is prime:

5) Armstrong:

6) Perfect No:

7) Factorial:

8) Strong Num:

9) Palindrome:

10) Sum Of Frirst and Last Digit:

0) Exit :

8

Enter a number : 19

19 is not a strong number.

Eneter your choice :

1) one to ten:

2) Table of Num:

3) Sum of nums in range :

4) is prime:

5) Armstrong:

6) Perfect No:

7) Factorial:

8) Strong Num:

9) Palindrome:

10) Sum Of Frirst and Last Digit:

0) Exit :

9

Enter a number : 121

121 is a palindrome Number.

Eneter your choice :

1) one to ten:

2) Table of Num:

3) Sum of nums in range :

4) is prime:

5) Armstrong:

6) Perfect No:

7) Factorial:

8) Strong Num:

9) Palindrome:

10) Sum Of Frirst and Last Digit:

0) Exit :

10

Enter A number : 12349

10 is sum of first and last digit of given numbr -589302120.

Eneter your choice :

1) one to ten:

2) Table of Num:

3) Sum of nums in range :

4) is prime:

5) Armstrong:

6) Perfect No:

7) Factorial:

8) Strong Num:

9) Palindrome:

10) Sum Of Frirst and Last Digit:

0) Exit :

0

Inavalid Choice ! Choices

1) Assignment 01 Questions. 2) Assignment 02 Questions. 3) Assignment 03 Questions.

Enter Zero 0 to exit :

Enter your choice :

0

PS C:\Code>