PRACTICAL 03 - QU 01

Int main ()

{

int Number 1, Number 2;

printf ("Enter two Numbers");

sacanf ("%d%d",&Number1,&Number 2);

if (Number1>Number2)

printf("%d is the largest number.n\",Number2);

else if

(Number2>Number1){

printf("The two Numbers are equal\n");

}

PRACTICAL 03 QU 2

int main ()

{

int Number1,Number2,Number3;

int largerst,smallest;

printf(Enter three Numbers");

scanf("%d%d%d , &Number1 ,Number2,%Number3);

largest=Number1;

smallest=Number1;

if(Number2>largest)

largest=Number2;

if(Number3>largest)

largest=Number3;

else if

(Nuber3<smallest0

smallest=Number3;

printf("The largest Number is %d\n",largest);

printf("The smallest Number is %d\n",smallest);

}

PRACTCAL 03 QU 03

int main()

{

char name(50);

float basic salary,increment,new salary;

printf ("Enter employee name");

sacnf(%s,name);

printf("Enter basic salary");

scanf("%s", &basic salary);

if

(basic salary<5000)

increment=0.05 basic salary;

else if

(basic salary>=5000 &&basic salary,10000)

increment=0.15 basic salary;

new salary=basic salary+increment;

printf("Employee name %s\n,name");

printf("New salary %2f\n",new salary);

}

PRACTICAL 03 QU 04

int main()

{

float radius,diameter,circumference,area;

printf("Enter the radius of the circle");

scanf("%f",&radius);

diameter=2\*radius;

circumference=2\*3.14159\*radius;

area=3.14159\*radius\*radius;

printf("The diameter of the cicle is %.2f\n",diameter);

printf("The circumference of the cicle is %.2f\n",circumference);

printf("The area of the cicle is %.2f\n",area);

}

PRACTICAL 03 -5

int main()

{

int first number,second number;

printf("Enter the first number");

scanf("%d",&frst number);

prinf("Enter the second number");

scanf("%d",&second number);

if

(first number %second number==0)

printf("The first number is a multiple of the second number);

else

printf ('The first number is not a multiple of the second number");

}

PRACTICAL 03 QU 06

int main ()

{

char letter;

int i;

for (i=65;i<=90;i++)

letter = i;

printf("%c:%d\n",letter,letter);

for(i=97; i<=122;i++)

letter=i;

printf("%c:%D\n,letter,letter);

for(i=48;i<=57;i++)

letter=i;

printf("%c:%d\n",letter,letter);

printf("$:%d\n",'$");

printf("\*:%d\n",'\*");

printf("+:%d\n",'+");

printf("/:%d\n",'/");

printf(" :%d\n",' ');

}

PRACTICAL 03 QU 7

int main()

{

char city;

int basic salary,years of service,monthly sales;

float additional allowance,bonus ;

printf("Enter the city(c for colombo)");

scanf("%c",&city);

printf("Enter the basic salary");

scanf("%d",&basic salary);

printf("Enter years of service");

scanf("%d",&years of service);

printf("Enter the monthly sales");

scanf("%d",&monthly sales);

if(years of service >5)

additional alowance=basic salary\*0.1;

else

additonal allowance=0;

if

(city=='c')

additional allowance+=2500;

if(monthly sales<=25000)

bonus =monthly sales\*0.1;

else if (monthly sales<=50000)

bonus =monthly sales\*0.12;

else

bonus=monthly sales \*0.15;

gross remuneration=basic salary+additional allowance+bonus;

printf("The gross monthly remuneration is Rs.%.2f\n",Gross remuneration);

}

PRA 04 QU 1

int min()

{

int number ;

printf("Enter the integer");

sacanf("%d",&number);

if (Number %2==0)

printf("The number is even\n");

else

printf ("The number is odd\n");

}

PRA 04 QU2

int main()

{

int number1,number2,choice;

float result;

printf("Select an operation\n");

printf("1.Addition\n");

printf("2.Subtraction\n");

printf("3.Multiplication\n");

printf("4.Division\n");

printf("Enter your choice\n");

scanf("%d",&choice);

print("Enter two numbers");

scanf("%d%d",&number1,number2);

switch(choice)

case 1:

result=number1+number2;

break;

case 2:

result=number1-number2;

break;

case 3:

result=number1\*number2;

break;

case 4:

result=number1/number2;

break;

default:

print("Invalid choice.\n");

}

PRA 04 QU 4

int main ()

{

char ch;

printf("Enter a character");

scanf("%c",&ch);

switch (ch)

case 'a':

case 'e':

case 'i':

case 'o':

case 'u':

printf("The character is a voweln.\n");

break;

defult:

print(" The character is not a vowel.\n");

break;

}

PRA 04 QU 05

int main ()

{

int month;

printf("Enter the month number");

scanf("%d",&month);

switch(month)

case 1:

case 3:

case 5:

case 7:

case 8:

case 10:

case 12:

printf("The month has 31 days.\n");

breal;

case 4:

case 6:

case 9:

case 11:

print("The month has 30 days.\n");

break;

defult:

printf("Invalid Month Number.\n");

break;

}

PRA 05 QU 1

int main()

{

int +0;

while (i,=100);

print('%d\n",i);

i++;

}

Practical 06

int array[10];

int I, Min\_Value, Max Value, Sum, Average;

for (I = 0; I < 10; I++)

printf("Enter the Value of element %d: ", I);

scanf ("%d", &array[I]);

Min Value = array[0];

for (I = 1; I < 10; I++) {

if (array[I] < Min Value) {

Min Value = array[I];

Max Value = array[0];

for (I= 1; I < 10; I++) {

if (array[i] >Max Value) {

Max Value = array[I];

sum = 0;

for (I = 0; I < 10; ++)

sum += array[I];

Average = Sum / 10;

int reversed array[10];

for (I= 9, j = 0; I >= 0; I--, j++) {

reversed array[j] = array[i];

}

// Print the results

printf("Minimum value: %d\n", Min Value);

printf("Maximum value: %d\n", Max Value);

printf("Average value: %d\n", Average);

printf("Reversed array: ");

for (i = 0; i < 10; i++) {

printf("%d ", reversed\_array[I]);

}

int array1[10], array2[10], Vector Sum[10];

for (I = 0; I < 10; I++) {

printf("Enter the value of element %d of array1: ", I);

scanf("%d", &array1[i]);

}

for (I = 0; I < 10; I++) {

printf("Enter the value of element %d of array2: ", I);

scanf("%d", &array2[I]);

}

int scalar\_sum = 0;

for (I = 0; I < 10; I++) {

scalar\_sum += array1[I] + array2[I];

}

for (I = 0; I < 10; I++) {

vector sum[I] = array1[I] + array2[I];

}

printf("Scalar sum: %d\n", Scalar sum);

printf("Vector sum: ");

for (I = 0; I < 10; I++) {

printf("%d ", Vector sum[I]);

}

return 0;

}