UNIVERSITY OF SINDH, LAAR CAMPUS BADIN



**NAME : Manoj Kumar**

**ROLL NO : 2K23/BLCS/33**

**COURCE TITLE : Programming Fundamentals  
 SUBMITTED TO : Dr. Krishan Kumar**

QNo.1 Write a c program to print your name, father name age and grade?

#include<stdio.h>

#include<conio.h>

void main()

{

char Name[20];

char FatherName[20];

int Age[2];

char Grade[2];

clrscr();

printf("Enter Your Name:");

scanf("%s",Name);

printf("Enter Your FatherName:");

scanf("%s",FatherName);

printf("Enter Your Age:");

scanf("%d",Age);

printf("Enter Your Grade:");

scanf("%s",Grade);

printf("\nEnter Your Name is %s:",Name);

printf("\nEnter Your FatherName is %s:",FatherName);

printf("\nEnter Your Age is %d:",Age);

printf("\nEnter Your Grade is %s:",Grade);

getch();

}

QNo.2 Write a c Program that ask the user to enter two integer number and print the sum and product of two given numbers?

#include<stdio.h>

#include<conio.h>

void main()

{

int a,b,c,d;

clrscr();

printf("Enter 1st Number?");

scanf("%d",&a);

printf("Enter 2nd Number?");

scanf("%d",&b);

c=a+b;

printf("sum of %d and %d is :%d",a,b,c);

d=a\*b;

printf("\nproduct of %d and %d is :%d",a,b,d);

getch();

}

QNo.3.Write a C program that as the user to enter basic pay and print pay-slip of the employee

#include<stdio.h>

#include<conio.h>

void main()

{

int b,h,m,c,sum=0;

clrscr();

printf("Please enter bsic pay?");

scanf("%d",&b);

printf("\nPAY SLIP");

printf("\nBasic Pay is %d",b);

h=b/100\*40;

m=b/100\*18;

c=b/100\*15;

printf("\nHuse Rent is (40/) %d",h);

printf("\nMedical Allounce is (18/) %d",m);

printf("\nComputer Allounce is (15/) %d",c);

sum=sum+b+h+m+c;

printf("\n=======================================================");

printf("\nsum is %d",sum);

getch();

}

QNo.4.Write a C program to print the square and cube of given number.

#include<stdio.h>

#include<conio.h>

void main()

{

int sq,cube,a;

printf("Please enter any one integer number?");

scanf("%d",&a);

sq=a;

sq=a\*a;

cube=a\*a\*a;

printf("\n\t\tsquare of %d is %d",a,sq);

printf("\n\t\tCube of %d is %d",a,cube);

getch();

}

QNo.4.whrite a c program to convert a given amount in coin?

#include<stdio.h>

#include<conio.h>

void main ()

{

int coin,no500,no100,no50,no20,no10,no5,no2,no1;

clrscr();

printf("ENTER ANY NUMBER:");

scanf("%d",&coin);

no500=coin/500; coin=coin%500;

no100=coin/100; coin=coin%100;

no50=coin/50; coin=coin%50;

no20=coin/20; coin=coin%20;

no10=coin/10; coin=coin%10;

no5=coin/5; coin=coin%5;

no2=coin/2; coin=coin%2;

no1=coin/1; coin=coin%1;

printf("\n 500 100 50 20 10 5 2 1\n\n%d %d %d %d %d %d %d %d %d",no500,no100,no50,no20,no10,no5,no2,no1);

getch();

}

QNo.6.write a program to take input of Seat No, Name, Subjects & Marks and calculate the total and percentage and display the output in the following format.

#include<stdio.h>

#include<conio.h>

void main()

{

int eng,basic,ic,math,ps,sum=0;

float per=0;

clrscr();

printf("........MARKSHEET.........");

printf("\nROLL NO:\t\tSUBJECT\tMARKS:");

printf("\n2K19/BLSC/05\t\tEnglish:");

scanf("%d",&eng);

printf("\n2K19/BLSC/05\t\tBASIC ELECTRONICE:");

scanf("%d",&basic);

printf("\n19/BLSC/05\t\tMATHAMATICS :");

scanf("%d",&math);

printf("\n19/BLSC/05\t\tCOMPUTER PROGRAMMING:");

scanf("%d",&ps);

printf("................................................................");

printf("\n................................................................");

sum=eng+basic+math+ps;

printf("\n\t\t TOTAL MARKS:%d",sum);

per=sum/4;

printf("\n\t\t PERSENTAGE:%f",per);

getch();

}

QNo.7.Write a program in c to display as follows

#include<stdio.h>

#include<conio.h>

void main ()

{

int a,b,sum1,sum2,sum3,sum4,sum5,sum=0;

clrscr();

printf("PLEASE ENTER FIRST NUMBER:");

scanf("%d",&a);

printf("PLEASE ENTER LAST NUMBER:");

scanf("%d",&b);

sum1=a+b;

printf("\nsum of %d and %d is : %d",a,b,sum1);

sum2=a\*b;

printf("\nProduct of %d and %d IS : %d",a,b,sum2);

sum3=a-b;

printf("\nDifference between %d and %d is : %d",a,b,sum3);

sum4=a/b;

printf("\nDevision of %d and %d is : %d",a,b,sum4);

sum5=a%b;

printf("\nRemainder of %d and %d is : %d",a,b,sum5);

printf("\n==========================================================");

sum=sum1+sum2+sum3+sum4,sum5;

printf("\nTotal is \t\t:%d",sum);

getch();

}

QNo.8.write a c program to convert a given seconds into hours, minutes and seconds?

#include<stdio.h>

#include<conio.h>

void main()

{

int sec,h,m,s;

clrscr();

printf("PLEASE ENTER SECONDS:");

scanf("%d",&sec);

printf("HOURS MINUTES SECONDS");

h=(sec/3600);

m=(sec-(3600\*h))/60;

s=(sec-(3600\*h)-(m\*60));

printf("\n%d\t%d\t%d",h,m,s);

getch();

}

QNo.9.Write a c program to convert a given number of days in items of years, Weeks and Days

#include<stdio.h>

#include<conio.h>

void main()

{

int d,years,weak,days;

clrscr();

printf("\nENTER NUMBER OF DAYS:");

scanf("%d",&d);

years=d/365;

weak=(d%365)/7;

days=(d%365)%7;

printf("YEARS = %d" , years);

printf("WEAK = %d" , weak);

printf("DAYS = %d" ,days);

getch();

}

QNo.10.Write a program to read two integers N1 and N2 and Swap their values.

#include<stdio.h>

#include<stdio.h>

void main ()

{

int a,b,c;

clrscr();

printf("ENTER VALVE OF N1:");

scanf("%d",&a);

printf("ENTER VALVE OF N2:");

scanf("%d",&b);

a=a+b;

b=a-b;

a=a-b;

printf("\t\t%d is :%d",b,a);

printf("\n\t\t\%d is :%d",a,b);

getch();

}

QNo.11.Write a C program that input one five- digits number Separates the number into its individual digits and prints the digits separated from one another by the three spaces and also print sum of five-digits?

#include<stdio.h>

#include<conio.h>

void main()

{

int a,b,c,d,e,sum=0;

clrscr();

printf("enter any number:");

scanf("%d %d %d %d %d ",&a,&b,&c,&d,&e);

printf("SPARATED FROM ONE AN OTHER BY THREE SPACES IS: %d\t%d\t%d\t%d\t%d",a,b,c,d,e);

sum=a+b+c+d+e;

printf("\nsum of digits is %d",sum);

getch();

}

QNo.12.Write a c program to print ASCII value of given character.

#include<stdio.h>

#include<conio.h>

void main()

{

char a;

clrscr();

printf("Enter any Character:");

scanf("%c",&a);

printf("Character Valve = %c\n ASCII Valve = %d",a,a);

getch();

}

QNo.13.Write a c program to reverse any number.

#include<stdio.h>

#include<conio.h>

void main()

{

int n,rev,reminder;

rev=0;

clrscr();

printf("ENTER ANY NUMBER:");

scanf("%d",&n);

while(n!=0)

{

reminder=n%10;

rev=rev\*10+reminder;

n/=10; }

printf("Reversed Number is =%d",rev);

getch();

}

QNo.14.Write a C program to find out sum of digits of given number.

#include<stdio.h>

#include<conio.h>

void main()

{

int num,rem,sum=0;

clrscr();

printf("enter any number:");

scanf("%d",&num);

while(num)

{

rem = num % 10;

sum = sum + rem;

num = num/10;

}

printf("\nsum of digits is %d",sum);

getch();

}