**Lab Final**

**(Section F)**

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**/\*Problem-01:Write a program in C to print your name, date of birth, id and blood group.\*/**

*#include<stdio.h>*

*int main()*

*{*

*printf("Name\t\t: Nusrat Farzana Choudhury\n");*

*printf("Date of Birth\t: 20-09-2002\n");*

*printf("ID\t\t: 221-35-990\n");*

*printf("Blood Group\t: A(+)ve");*

*return 0;*

*}*

***/\*Problem-02: Write a program that takes two integers as input and print the result of addition, subtraction, multiplication & division.\*/***

*#include<stdio.h>*

*int main()*

*{*

*int a,b,add,sub,mul,div;*

*printf("Enter 2 integers:\n");*

*scanf("%d %d",&a,&b);*

*add=a+b;*

*sub=a-b;*

*mul=a\*b;*

*div=a/b;*

*printf("Addition=%d\n",add);*

*printf("Subtraction=%d\n",sub);*

*printf("Multiplication=%d\n",mul);*

*printf("Division=%d\n",div);*

*return 0;*

*}*

***/\*Problem-03: Write a program that takes two float numbers as input and shows the result of addition and subtraction.\*/***

*#include<stdio.h>*

*int main()*

*{*

*float a,b,add,sub;*

*printf("Enter 2 integers:\n");*

*scanf("%f %f",&a,&b);*

*printf("\n");*

*add=a+b;*

*sub=a-b;*

*printf("Addition=%.2f\n",add);*

*printf("Subtraction=%.2f\n",sub);*

*return 0;*

*}*

***/\*Problem-04: Enter a six digit number and show the sum of its digits and show the number in reversed order.\*/***

*#include<stdio.h>*

*int main()*

*{*

*int num,reverse,sum,remainder;*

*printf("Enter a six digit number:");*

*scanf("%d",&num);*

*while(num!=0)*

*{*

*remainder=num%10;*

*reverse=reverse\*10+remainder;*

*sum=sum+remainder;*

*num=num/10;*

*}*

*printf("\nThe sum of its digits is=%d\n",sum);*

*printf("Reverse of the number is=%d\n",reverse);*

*return 0;*

*}*

**/\*Problem-05: Write a program to find out the largest of three numbers.\*/**

*#include<stdio.h>*

*int main()*

*{*

*int a,b,c;*

*printf("Enter three integers:\n");*

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

*if ((a>b)&&(a>c))*

*{*

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

*}*

*else if ((b>a)&&(b>c))*

*{*

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

*}*

*else*

*{*

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

*}*

*return 0;*

*}*

***/\*Problem-06: Write a c program to find out the sum of series 1 + 2 + …. + n\*/***

*#include <stdio.h>*

*int main()*

*{*

*int n, i, sum = 0;*

*printf("Enter the number of terms: ");*

*scanf("%d", &n);*

*for (i = 1; i <= n; i++)*

*{*

*sum=sum+i;*

*}*

*printf("Sum = %d", sum);*

*return 0;*

*}*

***/\*Problem-07: Write a C program to create an array of students' marks. Print the average marks.\*/***

*#include <stdio.h>*

*int main()*

*{*

*int arr[5];*

*int i, sum=0, avg;*

*printf("Enter obtained marks (for 5 students):\n");*

*for(i=1; i<=5; i++)*

*{*

*printf("Student- %d : ",i);*

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

*sum=sum+arr[i];*

*}*

*avg=sum/5;*

*printf("\nAverage marks is= %d",avg);*

*return 0;*

*}*

***/\*Problem-08: Calculate grade using switch case by following Daffodil University's grading method.\*/***

*#include <stdio.h>*

*int main()*

*{*

*int num;*

*printf("Enter obtained number: ");*

*scanf("%d",&num);*

*switch(num)*

*{*

*case 80 ... 100:*

*printf("Grade:A+");*

*break;*

*case 75 ... 79:*

*printf("Grade:A");*

*break;*

*case 70 ... 74:*

*printf("Grade:A-");*

*break;*

*case 65 ... 69:*

*printf("Grade:B+");*

*break;*

*case 60 ... 64:*

*printf("Grade:B");*

*break;*

*case 55 ... 59:*

*printf("Grade:B-");*

*break;*

*case 50 ... 54:*

*printf("Grade:C+");*

*break;*

*case 45 ... 49:*

*printf("Grade:C");*

*break;*

*case 40 ... 44:*

*printf("Grade:D");*

*break;*

*case 0 ... 39:*

*printf("Grade:F");*

*break;*

*default:*

*printf("Wrong Input!");*

*}*

*return 0;*

*}*

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