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**23.1**

# PRACTICAL 03

//Q1

#include <stdio.h>

int main()

{

int no1,no2;

printf("Enter number 1 =");

scanf("%d",&no1);

printf("Enter number 2 =");

scanf("%d",&no2);

if(no1>no2)

printf("The number 1 is the highest");

else

printf("The number 2 is the highest \n");

}

//Q2

#include <stdio.h>

int main()

{

int n1,n2,n3;

printf("\n Enter number 1 =");

scanf("%d",&n1);

printf("Enter number 2 =");

scanf("%d",&n2);

printf("Enter number 3 =");

scanf("%d",&n3);

if(n1>n2&&n1>n3)

printf("The highest number is %d",n1);

else if(n2>n1&&n2>n3)

printf("The highest number is %d",n2);

else

printf("The highest number is %d \n\n",n3);

}

//Q3

#include <stdio.h>

int main()

{

char name[30];

float bsal,nsal,inc;

printf("Enter name:");

scanf("%s",&name);

printf("Enter basic salary=");

scanf("%f",&bsal);

if(bsal>=10000)

inc=bsal\*0.15;

else if(5000<=bsal)

inc=bsal\*0.10;

else

inc=bsal\*0.05;

nsal=bsal+inc;

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

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

}

//Q4

#include <stdio.h>

int main()

{

float r,d,a,c;

float p=3.14159;

printf("Enter the Radius of the circle = ");

scanf("%f",&r);

d=r\*2;

printf("The diameter is %f \n",d);

a=p\*(r\*r);

printf("The area of the circle = %f \n",a);

c=2\*p\*r;

printf("The circumference of the circle = %f \n ",c);

}

//Q5

#include <stdio.h>

int main()

{

int num1,num2;

printf("Enter number 1 =");

scanf("%d",&num1);

printf("Enter number 2 =");

scanf("%d",&num2);

if(num1%num2==0){

printf("yes it is a multiple");}

else {

printf("no its not a multiple");}

}

//Q6

#include <stdio.h>

int main()

{

char character='a';

printf("Character Integer Equivalent\n");

printf("%c = %d\n",character,(int)character);

}

//Q7

#include <stdio.h>

int main()

{

int yr;

float bsal;

char r,c;

printf("Enter the basic salary= ");

scanf("%f",&bsal);

printf("Enter the year of services= ");

scanf("%d",&yr);

printf("Enter the 'C' if the city is colombo= ");

scanf("%s",&r);

if(bsal<=25000){

bsal=bsal+(bsal\*10);}

else if(25000<=bsal<=50000){

bsal=bsal+(bsal\*12);}

else{

bsal=bsal+(bsal\*15);}

if(yr>5){

bsal=bsal+(bsal\*10);

}

if(c==r)

{

bsal=bsal+2500;

}

printf("The Gross Salary is= %.2f \n",bsal);

}

}