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**Practical no:-03**

**Question 1**

#include <stdio.h>

int main() {

int number1, number2;

printf("Enter the first number: ");

scanf("%d", &number1);

printf("Enter the second number: ");

scanf("%d", &number2);

int highest\_number = number1;

if (number2 > highest\_number) {

highest\_number = number2;

}

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

return 0;

}

**Question 2**

#include <stdio.h>

int main() {

int a, b, c;

int largest, smallest;

printf("Enter three numbers: ");

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

largest = a;

smallest = a;

if (b > largest) {

largest = b;

} else if (b < smallest) {

smallest = b;

}

if (c > largest) {

largest = c;

} else if (c < smallest) {

smallest = c;

}

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

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

return 0;

}

**Question 3**

#include<stdio.h>

int main()

{

char empname[30];

float bs,ns,inc;

//input

printf("Enter Employee name");

scanf("%s",&empname);

printf("Enter Basic Salary");

scanf("%f",&bs);

//process

if(bs>=10000)

inc=bs\*0.15;

else if(bs>=5000)

inc=bs\*0.10;

else

inc=bs\*0.05;

ns=bs+inc;

//output

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

printf("Employee salary %.2f\n",ns);

}

**Question 4**

#include <stdio.h>

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 circle is: %f\n", diameter);

printf("The circumference of the circle is: %f\n", circumference);

printf("The area of the circle is: %f\n", area);

return 0;

}

**Question 5**

#include <stdio.h>

int main() {

int num1, num2;

printf("Enter the first number: ");

scanf("%d", &num1);

printf("Enter the second number: ");

scanf("%d", &num2);

if (num1 % num2 == 0) {

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

} else {

printf("The first number is not a multiple of the second number.\n");

}

return 0;

}

**Question 6**

#include <stdio.h>

int main()

{

char value;

printf("Enter a character: ");

scanf("%c", &value);

printf("Integer value of %c = %d\n", value, value);

return 0;

}

**Question 7**

#include <stdio.h>

int main(){

float basicSalary, monthlySales;

char location;

return 0;

}