#include <stdlib.h>

#include <stdio.h>

1.

int main(){

    int n1,n2;

    printf("Enter two numbers:");

    scanf("%d%d",&n1,&n2);

    if (n1>n2)

    {

        printf("first number is the heighest number");

    }else{

        printf("second number is the heighest number");

    }

}

2.

int main(){

    int num1,num2,num3,max;

    printf("Enter Number: ");

    scanf("%d %d %d",&num1,&num2,&num3);

    if(num1>num2)

        if(num1>num3)

            printf("Max is: %d",num1);

        else

            printf("max is: %d",num3);

    else

        if(num2>num3)

            printf("Max is: %d",num2);

        else

            printf("Max is: %d",num3);

}

3.

int main(){

    char name[20];

    float salary, increment, new\_salary;

    printf("Enter Name: ");

    scanf("%s",&name);

    printf("Enter basic salary: ");

    scanf("%f",&salary);

    if(salary<5000){

        increment = (salary/100)\*5;

    }

    else if(salary<10000){

        increment = (salary/100)\*10;

    }

    else{

        increment = (salary/100)\*15;

    }

    new\_salary = salary + increment;

    printf("%s:\n",name);

    printf("New Salary is: %.2f", new\_salary);

}

4.

int main(){

    float diameter,circum,area,radius;

    printf("\n\n ENTER THE REDIUS OF A CIRCLE =");

    scanf("%f",&radius);

    printf("\nCIRCLE DIAMETER is = %.2f",2\*radius);

    printf("\nCIRCLE Circumference is = %.2f",2\*3.14159\*radius);

    printf("\nCIRCLE AREA IS = %.2f",(radius\*radius)\*3.14159);

}

5.

int main(){

    int n1,n2;

    printf("Enter two numbers: ");

    scanf("%d %d",&n1,&n2);

    if(n1%n2==0){

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

    }else{

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

    }

}

6.

int main() {

    char input[100];

    int integerEquivalent;

    printf("Enter an input: ");

    scanf("%s", input);

    integerEquivalent = atoi(input);

    printf("Integer Equivalent: %d\n", integerEquivalent);

    return 0;

}

7.

int main(){

    float basic\_sal, years, net\_total;

    char c;

    printf("Enter the basic salary: ");

    scanf("%f",&basic\_sal);

    printf("Enter number of years worked: ");

    scanf("%f",&years);

    printf("Enter the city you live: ");

    scanf(" %c",&c);

    if(c == 'c'){

        net\_total = net\_total + 2500;

    }

    if (years>=5)

    {

        net\_total = (basic\_sal\*10)/100;

    }

    if(basic\_sal>=25000){

        net\_total = net\_total +  (basic\_sal + (basic\_sal\*10)/100);

    }

    else if (basic\_sal<=50000)

    {

    net\_total = net\_total +  (basic\_sal + (basic\_sal\*12)/100);

    }

    else{

    net\_total = net\_total +  (basic\_sal + (basic\_sal\*15)/100);

    }

    printf("Total\_Salary: %f",net\_total);

}