/\*

Name : Shubhankar Yadav

Roll no : 60

Section : E

1.WAP to insert a substring into a string from a particular position.

\*/

#include<stdio.h>

#include<string.h>

int main()

{

char a[30],b[30];

int n;

printf("\t\t\t\*\*\*\*\*\*INPUT\*\*\*\*\*\*\n");

printf("Enter First String:\n");

gets(a);

printf("Enter Second String:\n");

gets(b);

printf("Enter position afterwards which string to be inserted:\n");

scanf("%d",&n);

for(int i=strlen(a);i>=n;i--)

{

a[i+strlen(b)]=a[i];

}

for(int i=0;i<strlen(b);i++)

{

a[n+i]=b[i];

}

printf("\t\t\t\*\*\*\*\*\*OUTPUT\*\*\*\*\*\*\n");

printf("The final string is :\n");

puts(a);

return 0;

}

\*\*\*\*\*\*INPUT\*\*\*\*\*\*

Enter First String:

Dehdun

Enter Second String:

ra

Enter position afterwards which string to be inserted:

3

\*\*\*\*\*\*OUTPUT\*\*\*\*\*\*

The final string is:

Dehradun

/\*

Name : Shubhankar Yadav

Roll no : 60

Section : E

2.Write a c code that loops over the string and replace each

character to the character immediately preceding it in the

alphabet.

Example

Input string: HELLO

Output String :GDKKN

\*/

#include<stdio.h>

#include<string.h>

int main()

{

char s[30];

printf("\t\t\t\*\*\*\*\*\*INPUT\*\*\*\*\*\*\n");

printf("Enter String:\n");

gets(s);

for(int i=0;s[i]!='\0';i++)

{

s[i]=s[i]-1;

}

printf("\t\t\t\*\*\*\*\*\*OUTPUT\*\*\*\*\*\*\n");

printf("The final string is:\n");

puts(s);

return 0;

}

\*\*\*\*\*\*INPUT\*\*\*\*\*\*

Enter String:

Cbd

\*\*\*\*\*\*OUTPUT\*\*\*\*\*\*

The final string is:

Bac

/\*

Name : Shubhankar Yadav

Roll no : 60

Section : E

3.Write a program that takes your full name(First, middle and last) as

input and displays the abbreviations of the first and middle names except

the last name which is displayed as it is. For example, if your name is Ishank Kumar Sabarwal

then the output should be I.K. Sabarwal

**\*/**

#include<stdio.h>

#include<string.h>

int main()

{

char str[20];

int i, c = 0, j = 0, a;

printf("\t\t\t\*\*\*\*\*\*INPUT\*\*\*\*\*\*\n");

printf("Enter Full Name: ");

gets(str);

printf("\n");

for (i = 0; str[i] != '\0'; i++)

{

if (str[i] == ' ')

{

c++;

}

}

printf("\t\t\t\*\*\*\*\*\*OUTPUT\*\*\*\*\*\*\n");

printf("Final String: ");

for (i = 0; str[i] != '\0'; i++)

{

if (i == 0)

{

printf("%c.", str[i]);

}

if (str[i] == ' ')

{

j++;

if (j <= (c - 1))

{

printf("%c.", str[i + 1]);

}

if (j == c)

{

for (a = i + 1; str[a] != '\0'; a++)

{

printf("%c", str[a]);

}

}

}

}

return 0;

}

\*\*\*\*\*\*INPUT\*\*\*\*\*\*

Enter Full Name: SHUBHANKAR YADAV

\*\*\*\*\*\*OUTPUT\*\*\*\*\*\*

Final String: S.YADAV

/\*

Name : Shubhankar Yadav

Roll no : 60

Section : E

4.Write a program to check if the two strings entered by user

are anagrams or not. Two words are said to be anagrams if the

letters of one word can be rearranged to form the other word.

For example, RACE and CARE are anagrams of each other.

\*/

#include<stdio.h>

#include<string.h>

int main()

{

char s1[20], s2[20];

char temp;

int n, i, f = 0, m, j, p;

printf("\t\t\t\*\*\*\*\*\*INPUT\*\*\*\*\*\*\n");

printf("enter the first string \n");

scanf(" %[^\n]", s1);

printf("enter the second string \n");

scanf(" %[^\n]", s2);

n = strlen(s1);

m = strlen(s2);

if (n != m)

{

printf("\t\t\t\*\*\*\*\*\*OUTPUT\*\*\*\*\*\*\n");

printf("String must contain same number of character to be an Anagram Strings\n");

}

else

{

for (i = 0; i < n - 1; i++)

{

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

{

if (s1[i] > s1[j])

{

temp = s1[i];

s1[i] = s1[j];

s1[j] = temp;

}

}

}

for (i = 0; i < n - 1; i++)

{

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

{

if (s2[i] > s2[j])

{

temp = s2[i];

s2[i] = s2[j];

s2[j] = temp;

}

}

}

p = strcmp(s1, s2);

if (p == 0)

{

printf("\t\t\t\*\*\*\*\*\*OUTPUT\*\*\*\*\*\*\n");

printf("strings are anagram");

}

else

{

printf("\t\t\t\*\*\*\*\*\*OUTPUT\*\*\*\*\*\*\n");

printf("strings are not anagram");

}

}

return 0;

}

\*\*\*\*\*\*INPUT\*\*\*\*\*\*

enter the first string

silent

enter the second string

listen

\*\*\*\*\*\*OUTPUT\*\*\*\*\*\*

strings are anagram

\*\*\*\*\*\*INPUT\*\*\*\*\*\*

enter the first string

ram

enter the second string

rom

\*\*\*\*\*\*OUTPUT\*\*\*\*\*\*

strings are not anagram

\*\*\*\*\*\*INPUT\*\*\*\*\*\*

enter the first string

hello

enter the second string

hie

\*\*\*\*\*\*OUTPUT\*\*\*\*\*\*

String must contain same number of character to be an Anagram Strings

/\*

Name : Shubhankar Yadav

Roll no : 60

Section : E

5.WAP using dynamic memory allocation to insert elements in an array and

perform the following operations.

i. Searching of an element.

ii. Replace the searched elements with its cube and print the array.

\*/

#include<stdio.h>

#include<stdlib.h>

int func1(int \* a, int m, int n)

{

int i,flag =0;

for (i = 0; i < n; i++)

{

if (m == \* (a + i))

{

flag = 1;

break;

}

}

if(flag==0)

{

printf("invalid search\n");

return -1;

}

printf("The position of the element is : %d\n",i);

}

void func2(int \* a, int m, int n)

{

int i;

for (i = 0; i < n; i++)

{

if (m == \* (a + i))

{

\*(a + i) = m \* m \* m;

}

}

}

int main()

{

int i, n, \* p, t,z;

printf("\t\t\t\*\*\*\*\*\*INPUT\*\*\*\*\*\*\n");

printf("Enter number of elements: ");

scanf("%d", & n);

printf("\n");

p = (int \* ) calloc(n, sizeof(int));

printf("Enter Elements: ");

for (i = 0; i < n; i++)

{

scanf("%d", p + i);

}

printf("\n");

printf("\t\t\t\*\*\*\*\*\*OUTPUT\*\*\*\*\*\*\n");

printf("Enter element to be searched: \n");

scanf("%d", & t);

z = func1(p, t, n);

if(z!= -1)

{

func2(p, t, n);

printf("The elements of the final array is: ");

for (i = 0; i < n; i++)

{

printf("%d ", \*(p + i));

}

}

return 0;

}

\*\*\*\*\*\*INPUT\*\*\*\*\*\*

Enter number of elements: 15

Enter Elements:

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

\*\*\*\*\*\*OUTPUT\*\*\*\*\*\*

Enter element to be searched:

7

The position of the element is : 6

The elements of the final array are: 1 2 3 4 5 6 343 8 9 10 11 12 13 14 15

\*\*\*\*\*\*INPUT\*\*\*\*\*\*

Enter number of elements: 8

Enter Elements:

1

2

3

4

5

6

7

8

\*\*\*\*\*\*OUTPUT\*\*\*\*\*\*

Enter element to be searched:

9

Invalid search

/\*

Name : Shubhankar Yadav

Roll no : 60

Section : E

6.WAP to reverse the digits of a number using pointer.

\*/

#include<stdio.h>

int main()

{

int n,r=0,\*p;

printf("\t\*\*\*\*\*INPUT\*\*\*\*\*");

printf("\nEnter a number to find its reverse-");

scanf("%d",&n);

p=&n;

while((\*p)!=0)

{

r= r\*10 + (\*p)%10;

(\*p)= (\*p)/10;

}

printf("\t\*\*\*\*\*OUTPUT\*\*\*\*\*\n");

printf("Reverse of number is %d",r);

return 0;

}

\*\*\*\*\*\*INPUT\*\*\*\*\*\*

Enter the number: 123

\*\*\*\*\*\*OUTPUT\*\*\*\*\*\*

Reverse of the number is: 321

/\*

Name : Shubhankar Yadav

Roll no : 26

Section : E

7.WAP to add elements of two unequal size array into 3rd

array using Dynamic Memory Allocation.

\*/

#include<stdio.h>

#include<stdlib.h>

#define n 100

#define m 100

void main()

{

int \* p, \* q, \* r, x, y, i, z;

p = (int \* ) calloc(n, sizeof(int));

q = (int \* ) calloc(m, sizeof(int));

printf("\t\t\t\*\*\*\*\*\*INPUT\*\*\*\*\*\*\n");

printf("enter number of elements in array 1: \n");

scanf("%d", & x);

for (i = 0; i < x; i++)

{

scanf("%d", p + i);

}

printf("enter number of elements in array 2:\n");

scanf("%d", & y);

for (i = 0; i < y; i++)

{

scanf("%d", q + i);

}

z = x > y ? x : y;

r = (int \* ) calloc(m, sizeof(int));

printf("\t\t\t\*\*\*\*\*\*OUTPUT\*\*\*\*\*\*\n");

printf("final array\n");

for (i = 0; i < z; i++)

{

\*(r + i) = \* (p + i) + \* (q + i);

printf("%d ", \*(r + i));

}

}

\*\*\*\*\*\*INPUT\*\*\*\*\*\*

enter number of elements in array 1: 2

4

5

enter number of elements in array 2: 3

7

5

9

\*\*\*\*\*\*OUTPUT\*\*\*\*\*\*

final array

11 10 9

/\*

Name : Shubhankar Yadav

Roll no : 60

Section : E

8.Define a structure to store the roll no., name, age(between 11 to 14) and address

of students. Input and store records of more than 10 students. Write a function to

print the names of all the students having age 14 and even roll number.

\*/

#include<stdio.h>

#include<string.h>

int func(int a, int b)

{

if (a == 14 && b % 2 == 0)

{

return 1;

}

else

{

return 0;

}

}

struct student

{

int rn, age;

char name[20];

};

int main()

{

struct student stu[20];

int i, r, n;

printf("\t\t\t\*\*\*\*\*\*INPUT\*\*\*\*\*\*\n");

printf("Enter the number of students: ");

scanf("%d", & n);

printf("\n");

for (i = 0; i < n; i++)

{

printf("Enter name of student: ");

gets(stu[i].name);

printf("\n");

printf("Enter Roll no and age: ");

scanf("%d%d", & stu[i].rn, & stu[i].age);

getchar();

printf("\n")

printf("Enter the address: ");

gets(stu[i].add);

printf("\n");

}

printf("\t\t\t\*\*\*\*\*\*OUTPUT\*\*\*\*\*\*\n");

for (i = 0; i < n; i++)

{

r = func(stu[i].age, stu[i].rn);

if (r == 1)

{

puts(stu[i].name);

printf("\n");

}

}

return 0;

}

\*\*\*\*\*\*INPUT\*\*\*\*\*\*

Enter the number of students: 11

Enter name of student: Aayush

Enter Roll no and age: 5 12

Enter the address: Patna

Enter name of student: Rahul

Enter Roll no and age: 24 11

Enter the address: Bhopal

Enter name of student: Som

Enter Roll no and age: 50 14

Enter the address: kannauj

Enter name of student: Aman

Enter Roll no and age: 4 13

Enter the address: Farrukhabad

Enter name of student: Manas

Enter Roll noand age: 5 12

Enter the address: Varnashi

Enter name of student: Shivani

Enter Roll noand age: 6 13

Enter the address: Mumbai

Enter name of student: Salvi

Enter Roll no and age: 18 14

Enter the address: Patna

Enter name of student: Avnee

Enter Roll no and age: 1 14

Enter the address: Dehradun

Enter name of student: Ashish

Enter Roll no and age: 9 12

Enter the address: Faridabad

Enter name of student: Ishaan

Enter Roll no and age: 10 11

Enter the address: Delhi

Enter name of student: Aryan

Enter Roll no and age: 11 12

Enter the address: Mumbai

\*\*\*\*\*\*OUTPUT\*\*\*\*\*\*

Som

Salvi

/\*

Name : Shubhankar

Roll no : 60

Section : E

9.Write a structure to store the names, salary and working hours per day (fixed at the time of joining) of 10 employees. Calculate the increased monthly salary depending on the

working hours per day as given below. Print the name of all the employees along with their new salaries.

Hours of work per day 8 10 >=12

Increase in salary Rs.2500 Rs. 5000 Rs.7500

\*/

#include<stdio.h>

#include<string.h>

struct employee

{

char name[20];

int wh;

float sal;

};

int main()

{

struct employee emp[10];

int i;

printf("\t\t\t\*\*\*INPUT\*\*\*\n");

for (i = 0; i < 10; i++)

{

printf("Enter name of the employee: ");

gets(emp[i].name);

printf("\n");

printf("Enter salary and working hours of the employee: ");

scanf("%f%d", & emp[i].sal, & emp[i].wh);

getchar();

printf("\n");

}

for (i = 0; i < 10; i++)

{

if (emp[i].wh == 8)

{

emp[i].sal = emp[i].sal + 2500;

}

if (emp[i].wh == 10)

{

emp[i].sal = emp[i].sal + 5000;

}

if (emp[i].wh >= 12)

{

emp[i].sal = emp[i].sal + 7500;

}

}

printf("\t\t\t\*\*\*OUTPUT\*\*\*\n");

for (i = 0; i < 10; i++)

{

printf("Name of the employee is: ");

puts(emp[i].name);

printf("\n");

printf("New salary is: %f \n", emp[i].sal);

}

return 0;

}

\*\*\*INPUT\*\*\*

Enter name of the employee: Vaibhav

Enter salary and working hours of the employee: 25000 8

Enter name of the employee: Yash

Enter salary and working hours of the employee: 25000 10

Enter name of the employee: Ishaan

Enter salary and working hours of the employee: 20000 8

Enter name of the employee: Ketan

Enter salary and working hours of the employee: 27000 12

Enter name of the employee: Hardik

Enter salary and working hours of the employee: 30000 8

Enter name of the employee: Ashwani

Enter salary and working hours of the employee: 24000 10

Enter name of the employee: Akshat

Enter salary and working hours of the employee: 25400 12

Enter name of the employee: Amrit

Enter salary and working hours of the employee: 27800 8

Enter name of the employee: Shivani

Enter salary and working hours of the employee: 54000 10

Enter name of the employee: yuvraj

Enter salary and working hours of the employee: 50000 12

\*\*\*OUTPUT\*\*\*

Name of the employee is: Vaibhav

New salary is: 27500.000000

Name of the employee is: Yash

New salary is: 30000.000000

Name of the employee is: Ishaan

New salary is: 22500.000000

Name of the employee is: Ketan

New salary is: 34500.000000

Name of the employee is: Hardik

New salary is: 32500.000000

Name of the employee is: Ashwani

New salary is: 29000.000000

Name of the employee is: Akshat

New salary is: 32900.000000

Name of the employee is: Amrit

New salary is: 30300.000000

Name of the employee is: Shivani

New salary is: 59000.000000

Name of the employee is: yuvraj

New salary is: 57500.000000

/\*

Name : Shubhankar Yadav

Roll no : 26

Section : E

10.Write a program to read 20 integers in a file. Separate them into two different files prime.txt and nonprime.txt such that all prime numbers are copied in prime.txt and remaining numbers in nonprime.txt.

\*/

#include<stdio.h>

int main()

{

FILE \*p1,\*p2,\*p3;

int t,c=0,i,j;

p1= fopen("input.txt","r");

p2= fopen("prime.txt","w+");

p3= fopen("nonprime.txt","w+");

printf("\t\*\*\*\*\*OUTPUT\*\*\*\*\*");

for(i=1;i<=20;i++)

{

t=getw(p1);

for(j=2;j<= t/2;j++)

{

c=0;

if(t%j==0)

{

c++;

break;

}

}

if(c==0)

{

putw(t,p2);

}

else

{

putw(t,p3);

}

}

rewind(p1);

rewind(p3);

rewind(p2);

printf("\ncontent in user file is-");

while((t=getw(p1))!=EOF)

{

printf("%d,",t);

}

printf("\ncontent in prime file is-");

while((t=getw(p2))!=EOF)

{

printf("%d,",t);

}

printf("\ncontent in nonprime file is-");

while((t=getw(p3))!=EOF)

{

printf("%d,",t);

}

fclose(p3);

fclose(p2);

return 0;

}

\*\*\*OUTPUT\*\*\*

Content in user file is - 2 3 4 5 6 7 8 9 10

Content in prime file is - 2 3 5 7

Content in non prime file is - 4 6 8 9 10

/\*

Name : Shubhankar Yadav

Roll no : 60

Section : E

11.Write a program to create a file with some contents. Display its contents. Also print all the positions of a given alphabet (user input) in the file.

\*/

#include<stdio.h>

#include<string.h>

int main()

{

int i,flag =0;

FILE \* p;

char str1[20], str[20], a;

printf("\t\t\t\*\*\*INPUT\*\*\*\n");

printf("Enter the content: ");

gets(str);

printf("\n");

printf("Enter the character :");

scanf("%c", & a);

printf("\n");

p = fopen("file.txt", "w");

if (p == NULL)

{

printf("File error");

}

fputs(str, p);

fclose(p);

p = fopen("file.txt", "r");

if (p == NULL)

{

printf("File error");

}

fgets(str1, strlen(str) + 1, p);

fclose(p);

printf("\t\t\t\*\*\*OUTPUT\*\*\*\n");

puts(str1);

printf("The positions are: ");

for (i = 0; str1[i] != '\0'; i++)

{

if (str1[i] == a)

{

printf("%d ", i);

flag =1;

}

}

if(flag ==0){

printf("Sorry invalid search\n");

}

return 0;

}

\*\*\*INPUT\*\*\*

Enter the content: hello every one

Enter the character :e

\*\*\*OUTPUT\*\*\*

hello every one

The positions are: 1 6 8 14

\*\*\*INPUT\*\*\*

Enter the content: hello every one

Enter the character :i

\*\*\*OUTPUT\*\*\*

hello every one

The positions are: Sorry invalid search

"""

Name : Shubhankar Yadav

Roll no : 60

Section : E

12. Write a python program to print factorial of a number.

"""

print("\t\t\t\*\*\*\*\*INPUT\*\*\*\*\*\t\t\t")

num=int(input("Enter number "))

factorial=1

if num<0:

print("\t\t\t\*\*\*\*\*OUTPUT\*\*\*\*\*\t\t\t")

print("Entered number is negative ")

elif num==0:

print("\t\t\t\*\*\*\*\*OUTPUT\*\*\*\*\*\t\t\t")

print("factorial of zero is 1.")

else:

for i in range(1,num+1):

factorial=factorial\*i

print("\t\t\t\*\*\*\*\*OUTPUT\*\*\*\*\*\t\t\t")

print("factorial of",num,"is",factorial)

\*\*\*\*\*INPUT\*\*\*\*\*

Enter number 5

\*\*\*\*OUTPUT\*\*\*\*\*

factorial of 5 is 120

\*\*\*\*\*INPUT\*\*\*\*\*

Enter number 0

\*\*\*\*\*OUTPUT\*\*\*\*\*

factorial of zero is 1.

\*\*\*\*\*INPUT\*\*\*\*\*

Enter number -8

\*\*\*\*\*OUTPUT\*\*\*\*\*

Entered number is negative

"""

Name : Shubhankar Yadav

Roll no : 60

Section : E

13.Write a program in Python. A library charges a fine for every book returned late. For

First 5 days the fine is 50 paisa/day, for 6-10 days fine is one rupee/day and above 10 days

fine is 5 Rupees/ per day. If you return the book after 30 days your membership will be

cancelled. Write a program to accept the number of days the member is late to return the

book and display the fine or the appropriate message.

"""

print("\t\t\t\*\*\*\*\*INPUT\*\*\*\*\*\t\t\t")

days=int(input("Enter the number of days:"))

if(days>0 and days<=5):

fine=0.5\*days

print("\t\t\t\*\*\*\*\*OUTPUT\*\*\*\*\*\t\t\t")

print("Fine is",fine,"Rupees")

elif(days>=6 and days<=10):

fine=1\*days

print("\t\t\t\*\*\*\*\*OUTPUT\*\*\*\*\*\t\t\t")

print("Fine is",fine,"Rupees")

elif(days>=11 and days<=30):

fine=5\*days

print("\t\t\t\*\*\*\*\*OUTPUT\*\*\*\*\*\t\t\t")

print("Fine is",fine,"Rupees")

elif(days>30):

print("\t\t\t\*\*\*\*\*OUTPUT\*\*\*\*\*\t\t\t")

print("Your membership will be cancelled.")

else:

print("\t\t\t\*\*\*\*\*OUTPUT\*\*\*\*\*\t\t\t")

print("Input value must be a number greater than 1.")

\*\*\*\*\*INPUT\*\*\*\*\*

Enter the number of days:4

\*\*\*\*\*OUTPUT\*\*\*\*\*

Fine is 2.0 Rupees

\*\*\*\*\*INPUT\*\*\*\*\*

Enter the number of days:8

\*\*\*\*\*OUTPUT\*\*\*\*\*

Fine is 8 Rupees

\*\*\*\*\*INPUT\*\*\*\*\*

Enter the number of days:38

\*\*\*\*\*OUTPUT\*\*\*\*\*

Your membership will be cancelled.

\*\*\*\*\*INPUT\*\*\*\*\*

Enter the number of days:0

\*\*\*\*\*OUTPUT\*\*\*\*\*

Input value must be a number greater than 1.

"""

Name : Shubhankar Yadav

Roll no : 60

Section : E

14. Take input of age of 3 people by user and determine oldest and youngest among them.

"""

print("\t\t\t\*\*\*\*\*INPUT\*\*\*\*\*\t\t\t")

a1=int(input("Enter the age of first person : "))

a2=int(input("Enter the age of second person : "))

a3=int(input("Enter the age of third person : "))

if a1<0 or a2<0 or a3<0:

print("\t\t\t\*\*\*\*\*OUTPUT\*\*\*\*\*\t\t\t")

print("Age must be a positive value")

elif a1>a2 and a1>a3:

print("\t\t\t\*\*\*\*\*OUTPUT\*\*\*\*\*\t\t\t")

print("First person is the oldest")

if a2>a3:

print("Third person is the youngest")

elif a3>a2:

print("Second person is the youngest")

else:

print("Second and Third person are of same age")

elif a2>a1 and a2>a3:

print("\t\t\t\*\*\*\*\*OUTPUT\*\*\*\*\*\t\t\t")

print("Second person is the oldest")

if a1>a3:

print("Third person is the youngest")

elif a3>a1:

print("First person is the youngest")

else:

print("First and Third person are of same age")

elif a3>a2 and a3>a1:

print("\t\t\t\*\*\*\*\*OUTPUT\*\*\*\*\*\t\t\t")

print("Third person is the oldest")

if a2>a1:

print("First person is the youngest")

elif a1>a2:

print("Second person is the youngest")

else:

print("First and Second person are of same age")

\*\*\*\*\*INPUT\*\*\*\*\*

Enter the age of first person : 25

Enter the age of second person : 27

Enter the age of third person : 29

\*\*\*\*\*OUTPUT\*\*\*\*\*

Third person is the oldest

First person is the youngest

\*\*\*\*\*INPUT\*\*\*\*\*

Enter the age of first person : 57

Enter the age of second person : 56

Enter the age of third person : 56

\*\*\*\*\*OUTPUT\*\*\*\*\*

First person is the oldest

Second and Third person are of same age

"""

Name : Shubhankar Yadav

Roll no : 60

Section : E

15. A company decided to give bonus of 5% to employee if his/her year of service is more than 5 years. Ask user for their salary and year of service and print the net bonus amount.

"""

print("\t\t\t\*\*\*\*\*INPUT\*\*\*\*\*\t\t\t")

T=int(input("Enter the number of years of service : "))

Sal=int(input("Enter your salary : "))

print("\n")

Bonus=0

if T<=5:

print("\t\t\t\*\*\*\*\*OUTPUT\*\*\*\*\*\t\t\t")

print("NOT ELIGIBLE FOR BONUS")

else:

Bonus=0.05\*Sal

Total\_Salary=Bonus+Sal

print("\t\t\t\*\*\*\*\*OUTPUT\*\*\*\*\*\t\t\t")

print("Bonus amount is",Bonus,"Rupees")

print("Net Salary is",Total\_Salary,"Rupees" )

\*\*\*\*\*INPUT\*\*\*\*\*

Enter the number of years of service : 10

Enter your salary : 120000

\*\*\*\*\*OUTPUT\*\*\*\*\*

Bonus amount is 6000.0 Rupees

Net Salary is 126000.0 Rupees

\*\*\*\*\*INPUT\*\*\*\*\*

Enter the number of years of service : 4

Enter your salary : 255774

\*\*\*\*\*OUTPUT\*\*\*\*\*

NOT ELIGIBLE FOR BONUS