**Q. WAP to elaborate more about the scope of a variable.**

#include<stdio.h>

int global = 10;

void function();

int main()

{

int loc\_main = 1;

printf("\nLocal of main is : %d",loc\_main);

global++;

printf("\nGlobal of main is : %d",global);

function();

return 0;

}

void function()

{

int loc\_function = 1000;

printf("\nLocal of function is : %d",loc\_function);

global++;

printf("\nGlobal of function is : %d",global);

}

**Output :**

Local of main is : 1

Global of main is : 11

Local of function is : 1000

Global of function is : 12

**Q. The Barking Lot is a dog day care centre. WAP for the following :**

**a)A program that accepts data for an ID number of a dog's owner, and the name, breed, age, and weight of the dog. Display a bill containing all the input data as well as the weekly day care fee, which is $55 for dogs under 15 pounds, $75 for dogs from 15 to 30 pounds inclusive, $105 for dogs from 31 to 80 pounds inclusive, and $125 for dogs over 80 pounds.**

#include<stdio.h>

int main()

{

char id[20],breed[20],name[20];

int age,weight,fee;

printf("Enter your id no. : ");

scanf("%s",&id);

printf("Enter your dog's name : ");

scanf("%s",&name);

printf("Enter your dog's breed : ");

scanf("%s",&breed);

printf("Enter your dog's age : ");

scanf("%d",&age);

printf("Enter your dog's weight (in pounds) : ");

scanf("%d",&weight);

if(weight<15)

{

fee = 55;

}

else if(weight>=15 && weight<30)

{

fee = 75;

}

else if(weight>=30 && weight<80)

{

fee = 105;

}

else

{

fee = 125;

}

printf("\n\n\tWELCOME TO THE BARKING LOT\t");

printf("\n\n\t %s's Daycare Fee ",name);

printf("\n\n\tID no. : %s ",id);

printf("\n\tAge : %d yrs",age);

printf("\n\tBreed : %s",breed);

printf("\n\tWeight : %d lbs",weight);

printf("\n\n\tTotal fee : £%d",fee);

printf("\n\n\tTHANK YOU FOR TRUSTING US");

return 0;

}

**Output :**

Enter your id no. : 1234

Enter your dog's name : Pod

Enter your dog's breed : Poodle

Enter your dog's age : 2

Enter your dog's weight (in pounds) : 78

WELCOME TO THE BARKING LOT

Pod's Daycare Fee

ID no. : 1234

Age : 50 yrs

Breed : Poodle

Weight : 78 lbs

Total fee : £105

THANK YOU FOR TRUSTING US