NAME : LOVPREET SINGH

UID : 20BCS2834

SECTION : 23

GROUP : "B"

SUBJECT : PROBLEM SOLVING WITH
PROGRAMMING (MINOR PROJECT)

SUBMITTED TO : ROHINI MAM


TOPIC :

Create a MCQ Based Quiz using C language.

CODE :

```c
#include<stdio.h>
int main()
{
 int i,a;
 char name[200];
 printf(" Enter a number :- \n");
 printf("\n 1. Start the Quiz :  \n 0. Quit the Quiz : \n ");
 scanf(" %d",&i);
 switch (i)
 {
 case 1:

   printf(" \n Enter Your Name");
   scanf(" %s",&name);
   printf("\nPlayer name is %s",name);
   printf("\n[ Select and enter the answer no.]");
   printf("\n Q.What is the capital of the India ?\n");
   printf(" \n\n\n 1. DELHI \n 2.MUMBAI\n\n\n");
   scanf(" %d",&a);
   if (a==1){
    printf(" \n Correct !!!");
   }
```

```
  else if (a==2){
   printf("\nWrong !!!");



  }
  else {
   printf("\n Invalid !!! ");
  }
    case 0:
    break;
    default :
     printf("\n Invalid Input !!!!");
    break;
  }
 return 0;
}
```

//creating a header file for standard input output operations
#include<stdio.h>
//function which returns integer value
int main()
{
//declaration of variables in integer datatype
 int i,a;
//declaration of string
 char name[200];
//print the message
 printf(" Enter a number :- \n");
 printf("\n 1. Start the Quiz :  \n 0. Quit the Quiz : \n ");
//accept the input from the user
 scanf(" %d",&i);
//switch case
 switch (i)
 {
 case 1:

```c
/*print the message and accept the input from the user and
check the condition using if else statement and print the message
according to it*/
  printf(" \n Enter Your Name");
  scanf(" %s",&name);
  printf("\nPlayer name is %s",name);
  printf("\n[ Select and enter the answer no.]");
  printf("\n Q.What is the capital of the India ?\n");
  printf(" \n\n\n 1. DELHI \n 2.MUMBAI\n\n\n");
  scanf(" %d",&a);
  if (a==1){
   printf(" \n Correct !!!");
  }
  else if (a==2){
   printf("\nWrong !!!");
  }
  else {
   printf("\n Invalid !!! ");
  }
    case 0:
    break;
    default :
     printf("\n Invalid Input !!!!");
     break;
   }
//return an integer value
 return 0;
 }
```

**OUTPUT :**

```
  Enter a number :-

  1. Start the Quiz :
  0. Quit the Quiz :
  1

  Enter Your Name LOVE

 Player name is LOVE



  1. DELHI
  2.MUMBAI


 1

  Correct !!!
```

```
 Enter a number :-

 1. Start the Quiz :
 0. Quit the Quiz :
 1

 Enter Your NameLOVE

Player name is LOVE



 1. DELHI
 2.MUMBAI
2

Wrong !!!
```

```
Enter a number :-

1. Start the Quiz :
0. Quit the Quiz :
 0
```

```
Enter a number :-

1. Start the Quiz :
0. Quit the Quiz :
 1

Enter Your Name LOVE

Player name is LOVE
[ Select and enter the answer no.]
 Q.What is the capital of the India ?




 1. DELHI
 2.MUMBAI


3

 Invalid !!!
```

## BASIC THEORY :

In this program we are creating a mcq based quiz by using switch statement and if else if statement and accept the input from the user and print the message according to it.

A switch statement allows a variable to be tested for equality against a list of values. Each value is called a case, and the variable being switched on is checked for each switch case.

In this program switch case is used to check the condition in two cases and print the message according to it.

If elseif statement is a conditional statement and it is used to check whether the expression is true or false and print the message according to it. It allows to check between multiple test expressions and execute different statements.

In this program if else if statement is used to check whether user gives right answer or not and print the message according to it.

Break statement is used to terminate the statement inside the switch case.

Default statement is executed if no case is true.