#include<stdio.h>

#define KNRM "\x1B[0m" *//ANSI codes for changing the colour of the output*

#define KRED "\x1B[31m"

#define KGRN "\x1B[32m"

#define KYEL "\x1B[33m"

#define KBLU "\x1B[34m"

#define KMAG "\x1B[35m"

#define KCYN "\x1B[36m"

#define KWHT "\x1B[37m"

**int** lr=0,lp=0,gk=0; *//Declaring the score variables globally for easier access.*

**void** LR()

{

**char** lr\_ans1,lr\_ans2,lr\_ans3,lr\_ans4;

printf("%s\n\nComplete the following pattern: B(2)CD, \_\_\_\_\_\_\_, BCD(4), B(5)CD, BC(6)D.\n",KCYN);

printf(" 1. B(2)C(2)D\n 2. BC(3)D\n 3. B(2)C(3)D\n 4. BCD(7)\nEnter your chosen option number:");

scanf("%c",&lr\_ans1);

**while**((getchar()) != '\n'); *//Alernative for fpurge because of c99 version*

**while**(lr\_ans1!='1' && lr\_ans1!='2' && lr\_ans1!='3' && lr\_ans1!='4')

{

printf("Please enter a valid option:");

scanf("%c",&lr\_ans1);

**while**((getchar()) != '\n');

}

**if** (lr\_ans1=='2')

lr+=1;

printf("\n");

printf("Yard is to inch as quart is to: \n");

printf(" 1. Kilometre\n 2. Gallon\n 3. Ounce\n 4. Pound\nEnter your chosen option number:");

scanf("%c",&lr\_ans2);

**while**((getchar()) != '\n');

**while**(lr\_ans2!='1' && lr\_ans2!='2' && lr\_ans2!='3' && lr\_ans2!='4')

{

printf("Please enter a valid option: ");

scanf("%c",&lr\_ans2);

**while**((getchar()) != '\n');

}

**if**(lr\_ans2=='3')

lr+=1;

printf("\n");

printf("Fill in the blank to complete the number series: 664, 332, 340,170, \_\_\_\_, 89.\n");

printf(" 1. 85\n 2. 97\n 3. 109\n 4. 178\nEnter your chosen option number:");

scanf("%c",&lr\_ans3);

**while**((getchar()) != '\n');

while(lr\_ans3!='1' && lr\_ans3!='2' && lr\_ans3!='3' && lr\_ans3!='4')

{

printf("Please enter a valid option: ");

scanf("%c",&lr\_ans3);

**while**((getchar()) != '\n');

}

**if**(lr\_ans3=='4')

lr+=1;

printf("\n");

printf("In a certain code language, DRLAL is coded as 62014314. How is CAMEL coded?\n");

printf(" 1. 5315714\n 2. 53729310\n 3. 5313613\n 4. None\nEnter your chosen option number:");

scanf("%c",&lr\_ans4);

**while**((getchar()) != '\n');

**while**(lr\_ans4!='1' && lr\_ans4!='2' && lr\_ans4!='3' && lr\_ans4!='4')

{

printf("Please enter a valid option: ");

scanf("%c",&lr\_ans4);

**while**((getchar()) != '\n');

}

**if**(lr\_ans4=='1')

lr+=1;

printf("----------------------------------------------------\n");

}

**void** LP()

{

**char** lp\_ans1,lp\_ans2,lp\_ans3,lp\_ans4;

printf("%s\n\nThe man next door has a garden that is being overrun with cats. Which of the following questions is correct?\n",KYEL);

printf(" 1. Who's cats are using our neighbours garden? \n 2. Who's cats' are using our neighbours garden? \n 3. Whose cats are using our neighbour's garden? \n 4. Whose cats are using our neighbours' garden? \nEnter your chosen option number: ");

scanf("%c",&lp\_ans1);

**while**((getchar()) != '\n');

**while**(lp\_ans1!='1' && lp\_ans1!='2' && lp\_ans1!='3' && lp\_ans1!='4')

{

printf("Please enter a valid option: ");

scanf("%c",&lp\_ans1);

**while**((getchar()) != '\n');

}

**if**(lp\_ans1=='3')

lp+=1;

printf("\n");

printf("Which of the following sentences correctly contains a semi-colon?\n");

printf(" 1. My uncle's cat's whiskers are magnificent indeed; but I have no desire to stroke them \n 2. Landing a plane isn't hard; I once saw a child do it \n 3. There are two countries beginning with Z; Zimbabwe and Zambia\n 4. None of these.\nEnter your chosen option number: ");

scanf("%c",&lp\_ans2);

**while**((getchar()) != '\n');

**while**(lp\_ans2!='1' && lp\_ans2!='2' && lp\_ans2!='3' && lp\_ans2!='4')

{

printf("Please enter a valid option: ");

scanf("%c",&lp\_ans2);

**while**((getchar()) != '\n');

}

**if**(lp\_ans2=='2')

lp+=1;

printf("\n");

printf("Sometimes you should use 'that' and sometimes 'which'. Which sentence here is wrong?\n");

printf(" 1. The car which ran me over was speeding \n 2. The car that ran me over was speeding \n 3. The car, which was speeding, ran me over\n 4. None of these. \nEnter your chosen option number: ");

scanf("%c",&lp\_ans3);

**while**((getchar()) != '\n');

**while**(lp\_ans3!='1' && lp\_ans3!='2' && lp\_ans3!='3' && lp\_ans3!='4')

{

printf("Please enter a valid option: ");

scanf("%c",&lp\_ans3);

**while**((getchar()) != '\n');

}

**if**(lp\_ans3=='1')

lp+=1;

printf("\n");

printf("Which of the following is not correct?\n");

printf(" 1. I was sitting in the chair \n 2. I sat in the chair \n 3. I was sat in the chair\n 4. None of these. \nEnter your chosen option number: ");

scanf("%c",&lp\_ans4);

**while**((getchar()) != '\n');

**while**(lp\_ans4!='1' && lp\_ans4!='2' && lp\_ans4!='3' && lp\_ans4!='4')

{

printf("Please enter a valid option: ");

scanf("%c",&lp\_ans4);

**while**((getchar()) != '\n');

}

**if**(lp\_ans4=='3')

lp+=1;

printf("\n");

printf("----------------------------------------------------\n");

}

**void** GK()

{

**char** gk\_ans1,gk\_ans2,gk\_ans3,gk\_ans4;

printf("%s\n\nWho defined democracy as \'Government of the people,by the people and for the people?\'\n",KMAG);

printf(" 1. Abraham Lincoln \n 2. Winston Churchill \n 3. Nelson Mandela \n 4. Martin Luther King \n Enter your chosen option number:");

scanf("%c",&gk\_ans1);

**while**((getchar()) != '\n');

**while**(gk\_ans1!='1' && gk\_ans1!='2' && gk\_ans1!='3' && gk\_ans1!='4')

{

printf("Please enter a valid option: ");

scanf("%c",&gk\_ans1);

**while**((getchar()) != '\n');

}

**if**(gk\_ans1=='2')

gk+=1;

printf("\n");

printf("Yard is to inch as quart is to: \n");

printf(" 1. Kilometre\n 2. Gallon\n 3. Ounce\n 4. Pound\nEnter your chosen option number:");

scanf("%c",&gk\_ans2);

**while**((getchar()) != '\n');

**while**(gk\_ans2!='1' && gk\_ans2!='2' && gk\_ans2!='3' && gk\_ans2!='4')

{

printf("Please enter a valid option: ");

scanf("%c",&gk\_ans2);

**while**((getchar()) != '\n');

}

**if**(gk\_ans2=='3')

gk+=1;

printf("\n");

printf("The ratio of width of our National flag to its length is \n");

printf(" 1. 3:5\n 2. 2:3\n 3. 2:4\n 4. 3:4\nEnter your chosen option number:");

scanf("%c",&gk\_ans3);

**while**((getchar()) != '\n');

**while**(gk\_ans3!='1' && gk\_ans3!='2' && gk\_ans3!='3' && gk\_ans3!='4')

{

printf("Please enter a valid option: ");

scanf("%c",&gk\_ans3);

**while**((getchar()) != '\n');

}

**if**(gk\_ans3=='4')

gk+=1;

printf("\n");

printf("Mesopotamia is now known as \n");

printf(" 1. Iran\n 2. Egypt\n 3. Syria\n 4. Iraq\nEnter your chosen option number:");

scanf("%c",&gk\_ans4);

**while**((getchar()) != '\n');

**while**(gk\_ans4!='1' && gk\_ans4!='2' && gk\_ans4!='3' && gk\_ans4!='4')

{

printf("Please enter a valid option: ");

scanf("%c",&gk\_ans4);

**while**((getchar()) != '\n');

}

**if**(gk\_ans4=='1')

gk+=1;

printf("----------------------------------------------------\n");

}

**int** main()

{

printf("%s\n\t\t\t\t|||||| QUIZ IN LOGICAL REASONING,LANGUAGE PROFICIENCY AND GENERAL KNOWLEDGE ||||||\n",KGRN);

printf("\n\t~PRESENTED BY:\n\t\tSwanuja Maslekar - PES1201800369\n\t\tSakshi Shetty - PES1201800190\n\t\tSruthy S - PES1201801143\n\tCYCLE: CHEMISTRY\n\tSECTION: Q\n\n");

printf("Answer this quiz to find out which of the following areas you are strongest in:\n 1) Logical Reasoning\n 2) Language Proficiency\n 3) General Knowledge\n");

printf("The test has 12 questions covering all of the aforementioned topics. Good luck!");

LR();

LP();

GK();

printf("%s\nTOTAL SCORE = %d",KRED,lr+lp+gk);

**if**(lr>lp&&lr>gk) printf("\nYour strongest area of expertise is logical reasoning!");

**else** **if**(lp>lr&&lp>gk) printf("\nYour strongest area of expertise is language profiency!");

**else** **if**(gk>lr&&gk>lp) printf("\nYour strongest area of experise is general knowledge!");

**else** printf("\nYou are proficent in multiple areas!");

*//Based on which of the three sections you scored highest in*

printf("----------------------------------------------------\n");

printf("%s\n\n",KWHT);

**return** 0;

}