Quiz

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Code

```
#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
#include<string.h>
#include<time.h>
struct login
{
	char id[20];
	char password[20];

};

struct ans
{
	char right[3], choice[3];
	int assign;
};

struct so
{
	char name[10];
	int marks;
};

void main()
{
	int choice, i=0, flag=0, string_comp , q_paper_code, score;
	char id_ip[20], pass_ip[20], admin_password[20], q_paper[10], ch;
	struct login login[6];

	FILE *log;
	FILE *ranking;

	main_menu:
	log=fopen("login.txt", "a+");

	heading();
	strcpy(admin_password,"adminadmin");



	clrscr();
```

```
i=0;
flag=0;
choice=main_menu();

while(i<7)
{
	fscanf(log, "%s %s", &login[i].id, &login[i].password);
	i++;

}
clrscr();
admin:
switch(choice) //1) Login  2)Signup  3) Exit  4) Admin
{
	case 1: //login
		login:
		clrscr();
		gotoxy(36,13);
		printf("ID: ");
		scanf("%s", &id_ip);

		string_comp=strcmp(id_ip, "admin");
		if (string_comp==0)
		{
			choice=4; //switch 4 for admin
			goto admin;

		}

		gotoxy(30, 14);
		printf("Password: ");
		scanf("%s", &pass_ip);
		i=0;
		while(i<7)
		{
			string_comp=strcmp(id_ip, login[i].id);
			if (string_comp==0)
			{
				string_comp=strcmp(pass_ip, login[i]. password);
				if (string_comp==0)
				{
					clrscr();
					gotoxy(34,15);
					printf("User verified");
					flag=1; //User Exist
					getch();
					break;
				}
				else{
					gotoxy(33,15);
					printf("Wrong Password");
					getch();
					flag=2;

				}
			}

			i++;
		}
		if (flag==0)
		{
			gotoxy(31,15);
```

```
                printf("User doesn't exist");
                getch();
                goto main_menu;

        }

        // USER LOGIN SUCCESSFUL
        //USER MENU
        clrscr();
        gotoxy(30,11);
        printf("1. Give test");
        gotoxy(30,12);
        printf("2. Previous tests");
        gotoxy(30,13);
        printf("3. Ranking");
        gotoxy(30,15);
        printf("Choice: ");
        scanf("%d", &choice);
        switch(choice)
        {
                case 1:
                {
                        ranking=fopen("marks.txt", "a");
                        fprintf(ranking,"%s ", id_ip);
                        fclose(ranking);
                        paper(q_paper_code);
                        getch();
                        goto main_menu;
                }

                case 2:
                {
                        last_papers();
                }

                case 3:
                {
                        sort();

                }
        }
        getch();
        break;

case 2: //signup
{
        signup:
        clrscr();
        gotoxy(33,13);
        printf("User ID: ");
        scanf("%s", &id_ip);

        for(i=0; i<7; i++)
        {
                string_comp=strcmp(id_ip, login[i].id);
                if (string_comp==0)
                {
                        clrscr();
                        gotoxy(28, 13);
                        printf("This User ID already exists");
                        gotoxy(31,14);
                        printf("Enter another User ID");
```

```
                                getch();
                                clrscr();
                                goto signup;
                        }
                }
                gotoxy(32, 14);
                printf("Password: ");
                scanf("%s", &pass_ip);
                getch();
                fprintf(log,"\n%s %s", id_ip, pass_ip);
                clrscr();
                goto main_menu;

}
case 3:
{
                clrscr();
                gotoxy(31,13);
                printf("Enter admin password");
                gotoxy(36,14);
                scanf("%s", &pass_ip);
                string_comp=strcmp(pass_ip, admin_password);
                if (string_comp!=0)
                {
                                clrscr();
                                gotoxy(33,13);
                                printf("Wrong Password");
                                getch();

                }
                return 0;
}
case 4:
{
                gotoxy(24,14);
                printf("Admin password: ");
                scanf("%s", &pass_ip);
                string_comp=strcmp(pass_ip, admin_password);
                if (string_comp!=0)
                {
                        clrscr();
                        gotoxy(33,14);
                        printf("Wrong Password");
                        getch();
                        goto login;

                }

                choice=admin_menu(); //1)Set test  2)Ranking  3)Difficult questions

                switch(choice)
                {
                        case 1:
                        {
                                clrscr();
                                gotoxy(32,14);
                                printf("1. Easy");
                                gotoxy(32,15);
                                printf("2. Difficult");
                                gotoxy(32,17);
                                printf("Choice: ");
                                scanf("%d", &choice);
```

```
                                        switch(choice)
                                        {
                                                case 1:
                                                {
                                                        q_paper_code=1;
                                                        break;

                                                }
                                                case 2:
                                                {
                                                        q_paper_code=2;
                                                        break;
                                                }

                                        }
                                        break;


                                }

                                case 2:
                                {
                                        sort();
                                }

                                case 3:
                                {
                                                difficult();

                                }

                        }

                        goto main_menu;

                }


        }



        getch();
        fclose(log);
}



////////////////////////////////////////////////////////////////////////////////////////////////////////////
int difficult()
{
   // opening both file in read only mode

   FILE *fp1 = fopen("correct.txt", "r");
   FILE *fp2 = fopen("answer.txt", "r");
   FILE *fp3 = fopen("helen.txt", "w");
   char ch1 =fgetc(fp1);
   char ch2 =fgetc(fp2);
   int line = 1;


   if (fp1 == NULL || fp2 == NULL)
```

```
    {
                            clrscr();
       printf("Error : Files not open");
       exit(0);
    }


    // error keeps track of number of errors
    // line keeps track of error line
    clrscr();
    // iterate loop till end of file
    while (ch1 !=EOF && ch2 !=EOF)
    {

                if (ch1 =='\n'&& ch2=='\n')
                {
                   line++;
                }

                // if fetched data is not equal then
                // error is incremented
                if (ch1 != ch2)
                {
                //    error++;
                 //   printf("\nhard question Number : %d ", line);
                 printf("%d\n", line);
                 getch();
                   fprintf( fp3,"%d\n",line);
                }

                // fetching character until end of file
                ch1 = fgetc(fp1);
                ch2 = fgetc(fp2);
    }

//    printf("\nTotal Errors : %d", error);
//    score=5-error;
//    printf("\nYour score   : %d",score);


 // closing both file
    fclose(fp1);
    fclose(fp2);
    fclose(fp3);
    getch();
    return 0;



}

int paper(level)
{
                int marks=0, q=0;
                FILE *r, *ranking, *answer, *corr;
                char q_paper[20], ch;
                struct ans a[10];
                clrscr();
                answer=fopen("ANSWER.TXT", "w");
                corr=fopen("correct.txt", "w");
                if (level==1)
                {
```

```
		strcpy(q_paper, "easy.txt");
}
if (level==2)
{
		strcpy(q_paper, "difficult.txt");
}
r=fopen(q_paper, "r");
printf("\n\n\n\n\n\n\n\n\n\n\t%d) ", q+1);
while((ch=getc(r))!=EOF)
{
		delay(2);
		if(ch=='#')
		{
			break;
		}

		if (ch=='{')
		{
			if((q+1)>9)
			{
				printf("\n		");
			}
			else
			{
				printf("\n		");
			}
			continue;
		}

		if (ch=='}')
		{
			printf("\n");
			continue;
		}

		if (ch=='?')
		{
			printf("%c\n", ch);
			continue;
		}

		if (ch=='$')
		{
			printf("\n");
			ch=getc(r);
			fprintf(corr,"%c\n", ch);
			a[q].right[q]=ch;
			continue;
		}

		if (ch=='`'){
			if ((q+1)<10)
			{
				printf("\n\t  ");
			}
			else
			{
				printf("\n\t   ");
			}
			ch=getc(r);
		}
		if (ch=='*')
```

```
                {

                        if ((q+1)>9)
                        {
                                printf("\n\t    Choice: ");
                        }
                        else
                        {
                                printf("\n\t   Choice: ");
                        }
                        scanf("%s", &a[q].choice[q]);
                        fprintf(answer,"%c\n", a[q].choice[q]);
                        q++;
                        ch=getc(r);
                        clrscr();
                        printf("\n\n\n\n\n\n\n\n\n\n\n\t%d) ", q+1);
                        continue;
                }
                printf("%c", ch);


        }
        clrscr();

        q=0;
        marks=0;
        while (q<11)
        {
                if (a[q].choice[q]==a[q].right[q])
                {
                        marks++;
                }
                q++;
        }
        gotoxy(34,14);
        printf("MARKS: %d", marks);
        getch();
        ranking=fopen("MARKS.TXT", "a");
        fprintf(ranking, "%d\n", marks);
        fclose(ranking);
        fclose(answer);
        fclose(corr);
}

int admin_menu()
{
        int choice;
        clrscr();
        gotoxy(31,12);
        printf("1. Set a test");
        gotoxy(31,13);
        printf("2. See ranking");
        gotoxy(31,14);
        printf("3. Difficult questions");
        gotoxy(34,15);
        printf("in the test");
        gotoxy(31,17);
        printf("Choice: ");
        scanf("%d", &choice);
        return choice;
}
```

```
int heading()
{
	clrscr();

	gotoxy(38, 13);
	cprintf("QUIZ");
	getch();

	clrscr();


}

int main_menu()
{
	int choice;
	gotoxy(35,13);
	printf("1. Login");
	gotoxy(35,14);
	printf("2. Sign Up");
	gotoxy(35,15);
	printf("3. Exit");
	gotoxy(35,17);
	printf("Choice: ");
	scanf("%d", &choice);

	return choice;

}

int sort()
{
	FILE *f=fopen("marks.txt","r");
	int i=0,temp_m,j;
	char temp_n[10];
	struct so s[6];
	clrscr();
	while(!feof(f))
	{
		fscanf(f,"%s %d\n", &s[i].name, &s[i].marks);
		i++;
	}

	for (i=0;i<3;i++){
		for (j=i+1;j<4;j++) {

			if (s[i].marks<s[j].marks){
				s[5].marks=s[i].marks;
				strcpy(s[5].name,s[i].name);
				s[i].marks=s[j].marks;
				strcpy(s[i].name,s[j].name);
				s[j].marks=s[5].marks;
				strcpy(s[j].name,s[5].name);

			}
		}
	}

	for (i=0;i<4;i++){
		gotoxy(30,12+i);
		printf("%d) %s", i+1, s[i].name);
		gotoxy(43,12+i);
```

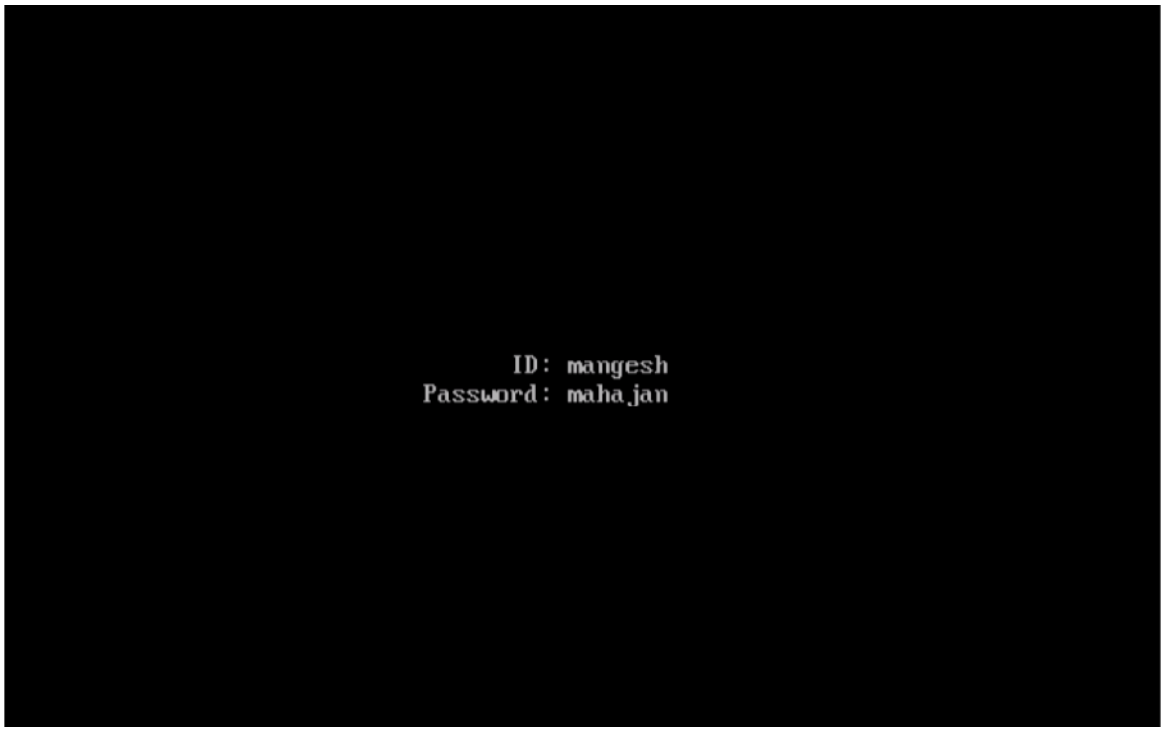
```
                printf(": %d\n", s[i].marks);
        }

        //Sort

        getch();

}

int last_papers()
{
        int ans,q=0;
        FILE *r;
        char get;
        FILE *fp3;
        char ch;
        char name[250];
        char userfile[250];
        char a;
        fp3=fopen("ANSWER.TXT", "r");
        r=fopen("easy.txt", "r");
        a=getc(fp3);
        clrscr();

        if(r==NULL){
                printf("cant open the file");
                getch();
        }

        printf("\n\n\n\n\n\n\n\n\n\n\n\t%d) ", q+1);
        while((ch=getc(r))!=EOF)
        {

                delay(1);
                if(ch=='#')
                {
                        break;
                }

                if (ch=='{')
                {
                        if((q+1)>9)
                        {
                                printf("\n          ");
                        }
                        else
                        {
                                printf("\n          ");
                        }
                        continue;
                }

                if (ch=='}')
                {
                        printf("\n");
                        continue;
                }

                if (ch=='?')
                {
                        printf("%c\n", ch);
                        continue;
```

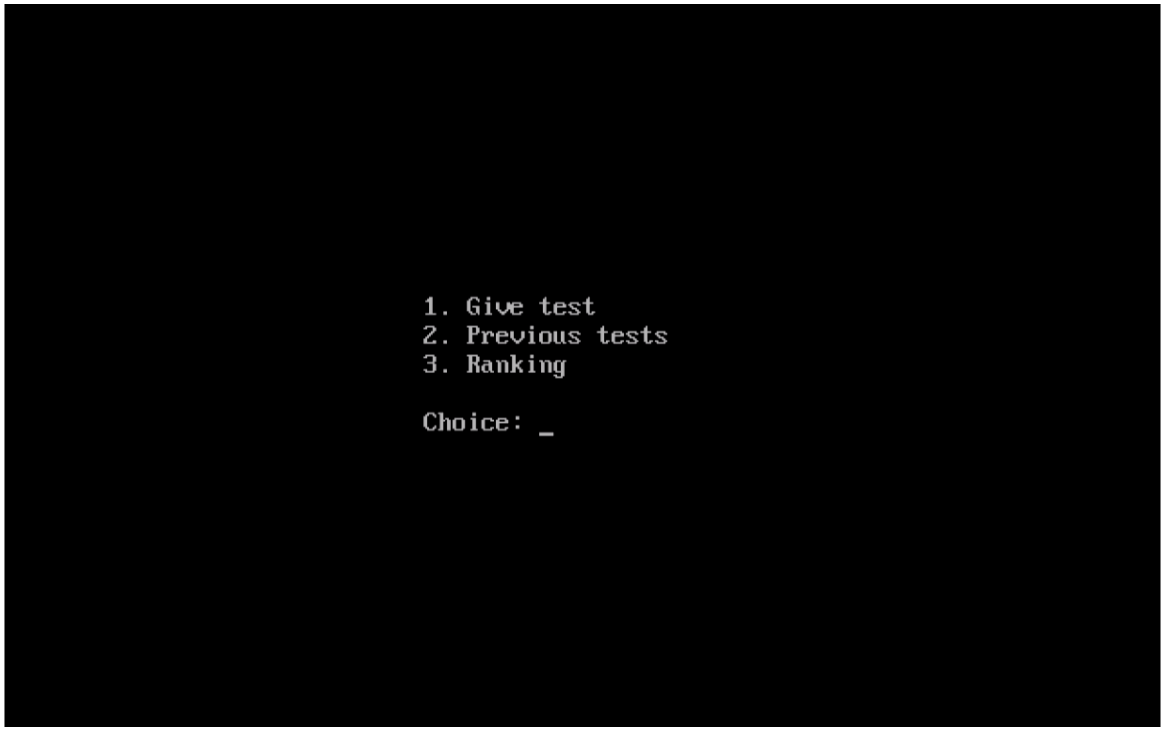
```
		}

		if (ch=='$')
		{
			printf("\n");
			ch=getc(r);

			if((q+1)>9)
			{
				printf("\n             ");
			}
			else
			{
				printf("\n           ");
			}
			printf("Correct answer: %c", ch);


			continue;
		}

		if (ch=='`'){
			if ((q+1)<10)
			{
				printf("\n\t   ");
			}
			else
			{
				printf("\n\t    ");
			}
			ch=getc(r);
		}
		if (ch=='*')
		{

			if ((q+1)>9)
			{
				printf("\n\t    Your Choice   : ");
			}
			else
			{
				printf("\n\t   Your Choice   : ");
			}
			printf("%c", a);
			a=getc(fp3);
			a=getc(fp3);
			getch();
			q++;
			ch=getc(r);
			clrscr();
			if((q+1)==11)
			{
				break;
			}
			printf("\n\n\n\n\n\n\n\n\n\n\n\t%d) ", q+1);
			continue;
		}
		printf("%c", ch);


}
fclose(fp3);
```

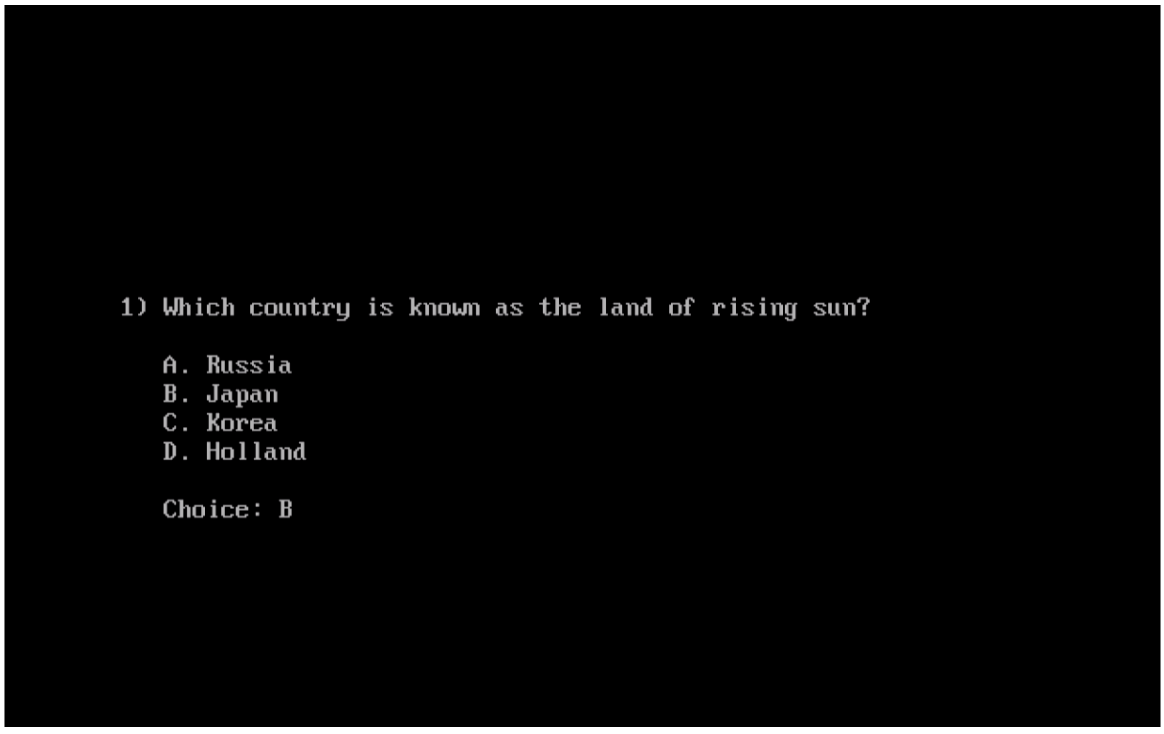
```
        fclose(r);

}
int difficult()
{

    char ch4;
    char ch5;


    FILE *fp4;
    FILE *fp5;
    FILE *fp6;
    int line = 1;
    FILE *fp1 = fopen("correct.txt", "r");
    FILE *fp2 = fopen("answer.txt", "r");
    FILE *fp3 = fopen("paper.txt", "w");
    char ch1 =fgetc(fp1);
    char ch2 =fgetc(fp2);


    if (fp1 == NULL || fp2 == NULL)
    {
            clrscr();
       printf("Error : Files not open");
       exit(0);
    }



    while (ch1 !=EOF && ch2 !=EOF)
    {

      if (ch1 =='\n'&& ch2=='\n')
      {
          line++;
      }


      if (ch1 != ch2)
      {

       //printf("%d\n", line);
       getch();
          fprintf( fp3,"%d\n",line);
      }

      // fetching character until end of file
```

```
      ch1 = fgetc(fp1);
      ch2 = fgetc(fp2);
    }



 // closing both file
    fclose(fp1);
    fclose(fp2);
    fclose(fp3);



fp4=fopen("paper.txt","r"); //from this file i am taking number of hard
question
fp5=fopen("easy.txt","r");// question file
//fp6=fopen("cool.txt","w"); // trying to append the question in this
file
ch4=getc(fp4);
ch5=getc(fp5);

while (ch4!=EOF)
{
      while (ch4!=ch5){
            ch5=getc(fp5);
      }
      while (ch5!='`'){
           //    fprintf(fp6,"%c",ch5);
            printf("%c", ch5);
            ch5=getc(fp5);

      }
      rewind(fp1);

      getch();
      clrscr();
      ch4=getc(fp4);
      ch5=getc(fp5);

}

fclose(fp4);
fclose(fp5);
fclose(fp6);
getch();
```

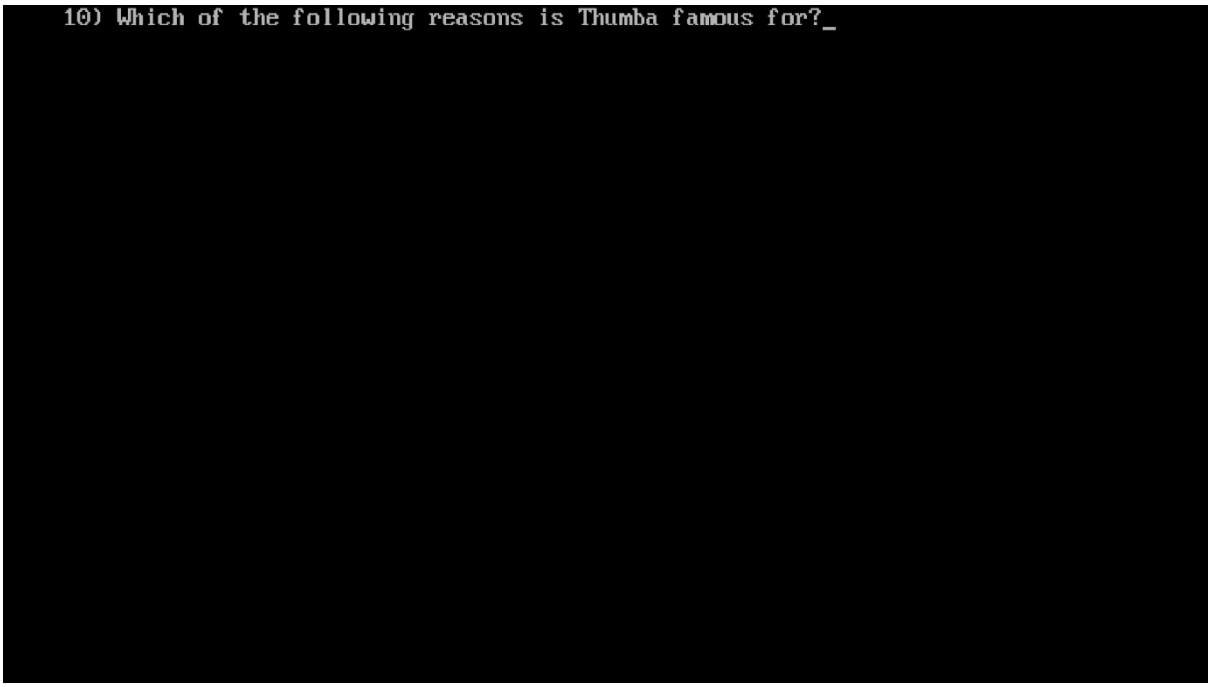
```
break;
return 0;
}
```




1. Give test
2. Previous tests
3. Ranking
Choice: _


1) Which country is known as the land of rising sun?
A. Russia
B. Japan
C. Korea
D. Holland
Choice: B

Difficult questions that admin can see




1) Which country is known as the land of rising sun?_