**DHA Suffa University**



**Department of Computer Science**

**CS 1001L – Programming Fundamentals Lab**

**Fall 2020**

**Project Report**

**Project Title:**

**Test Your knowledge**

**Project Members:**

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| --- | --- | --- |
| **S.No.** | **Name** | **Enrolment Number** |
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**Submitted to:**

**Miss Sana Abdullah**

**Date: 26-1-2021**

**Title of the Project**

**Test Your Knowledge**

**Project Description:** It will have different categories like Math, English, IQ, GK, History etc. User will select the desired category and then the category will have the relevant choice-based questions. User will answer them and in the end points will be calculated and equivalent message will be shown.

**Pseudocode OR Flowchart of the Project:**

Menu:

Print s to start the game

Print r to see the rules

Print v to view the score

Input answer

If answer==’S’

Then

Call procedure quizgame()

Else if answer==’V’

Then

Goto score

Else

Exit(0);

End if

Score:

Print score

Goto menu

Procedure quizgame

Print Select the subject from the following

Print For Math enter M

Print For English enter E

Print For Physics enter P

Print For Chemistry enter C

Print For IQ enter I

Print For general knowledge enter G

Print to go back to menu press B

While choice!= 'M' | | choice!= 'E' | | choice!= 'P' | | choice!= 'C' | | choice!='I' | | choice!='G'

Input choice

If choice== ‘M’

Then

Call procedure Maths()

Else If choice== ‘E’

Then

Call procedure Eng()

Else If choice== ‘P’

Then

Call procedure Phy()

Else If choice==’C’

Then

Call procedure Chem()

Else If choice==’I’

Then

Call procedure IQ()

Else If choice==’G’

Then

Call procedure GK()

Else

Print invalid selection

Print to go to menu press B

End if

End procedure

Procedure Eng()

M=i

For(i=m;i<=10;i++)

Case of i:

Case 1

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 2

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 3

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 4

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 5

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Press Y to continue Press B to change subject Press S to get score

Input answer

If answer==’Y’

Then

Call procedure eng()

Else if answer==’B’

Then

Call procedure quizgame()

Else

Print score

End if

Case 6

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 7

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 8

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 9

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 10

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

End case

End for

Print score

Call procedure quizgame()

End procedure

Procedure Maths()

M=i

For(i=m;i<=10;i++)

Case of i:

Case 1

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 2

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 3

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 4

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 5

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Press Y to continue Press B to change subject Press S to get score

Input answer

If answer==’Y’

Then

Call procedure Maths()

Else if answer==’B’

Then

Call procedure quizgame()

Else

Print score

End if

Case 6

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 7

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 8

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 9

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 10

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

End case

End for

Print score

Call procedure quizgame()

End procedure

Procedure Phy()

M=i

For(i=m;i<=10;i++)

Case of i:

Case 1

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 2

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 3

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 4

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 5

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Press Y to continue Press B to change subject Press S to get score

Input answer

If answer==’Y’

Then

Call procedure Phy()

Else if answer==’B’

Then

Call procedure quizgame()

Else

Print score

End if

Case 6

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 7

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 8

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 9

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 10

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

End case

End for

Print score

Call procedure quizgame()

End procedure

Procedure Chem()

M=i

For(i=m;i<=10;i++)

Case of i:

Case 1

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 2

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 3

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 4

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 5

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Press Y to continue Press B to change subject Press S to get score

Input answer

If answer==’Y’

Then

Call procedure Chem()

Else if answer==’B’

Then

Call procedure quizgame()

Else

Print score

End if

Case 6

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 7

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 8

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 9

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 10

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

End case

End for

Print score

Call procedure quizgame()

End procedure

Procedure GK()

M=i

For(i=m;i<=10;i++)

Case of i:

Case 1

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 2

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 3

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 4

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 5

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Press Y to continue Press B to change subject Press S to get score

Input answer

If answer==’Y’

Then

Call procedure GK()

Else if answer==’B’

Then

Call procedure quizgame()

Else

Print score

End if

Case 6

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 7

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 8

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 9

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 10

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

End case

End for

Print score

Call procedure quizgame()

End procedure

Procedure IQ()

M=i

For(i=m;i<=10;i++)

Case of i:

Case 1

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 2

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 3

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 4

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 5

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Press Y to continue Press B to change subject Press S to get score

Input answer

If answer==’Y’

Then

Call procedure IQ()

Else if answer==’B’

Then

Call procedure quizgame()

Else

Print score

End if

Case 6

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 7

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 8

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 9

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

Case 10

Print question

Input answer

If answer==answer

Then

Print correct

Point++

I++

Else

Print wrong answer

I++

End if

End case

End for

Print score

Call procedure quizgame()

End procedure

**Screenshots of the Output:**









