Homework

Name: Ma Ny

Class: web A

<?php

$students = [

['name' => 'Mengyi', 'age' => 30 ,'status' => 'single'],

['name' => 'Nga', 'age' => 18 ,'status' => 'married'],

['name' => 'Theavy', 'age' => 19 ,'status' => 'in-relationship'],

['name' => 'Hak', 'age' => 20 ,'status' => 'unknown']

];

?>

Q1. Write code to display the number of SINGLE students:

<?php

$students = [

['name' => 'Mengyi', 'age' => 30 ,'status' => 'single'],

['name' => 'Nga', 'age' => 18 ,'status' => 'married'],

['name' => 'Theavy', 'age' => 19 ,'status' => 'in-relationship'],

['name' => 'Hak', 'age' => 20 ,'status' => 'unknown']

];

$countSingle = 0;

foreach ($students as $student) {

if ($student['status'] === 'single') {

$countSingle++;

}

}

echo "Number of single students: " . $countSingle;

?>

Q2. Write code to display the name of the youngest student:

<?php

$students = [

['name' => 'Mengyi', 'age' => 30 ,'status' => 'single'],

['name' => 'Nga', 'age' => 18 ,'status' => 'married'],

['name' => 'Theavy', 'age' => 19 ,'status' => 'in-relationship'],

['name' => 'Hak', 'age' => 20 ,'status' => 'unknown']

];

$youngestStudent = $students[0];

foreach ($students as $student) {

if ($student['age'] < $youngestStudent['age']) {

$youngestStudent = $student;

}

}

echo "Name of the youngest student: " . $youngestStudent['name'];

?>

Q3. Write code to display the name of students who are single and between 25 and 30 years old:

<?php

$students = [

['name' => 'Mengyi', 'age' => 30 ,'status' => 'single'],

['name' => 'Nga', 'age' => 18 ,'status' => 'married'],

['name' => 'Theavy', 'age' => 19 ,'status' => 'in-relationship'],

[‘name' => 'Hak', 'age' => 20 ,'status' => 'unknown']

];

$selectedStudents = [];

foreach ($students as $student) {

if ($student['status'] === 'single' && $student['age'] >= 25 && $student['age'] <= 30) {

$selectedStudents[] = $student['name'];

}

}

echo "Names of single students between 25 and 30 years old: " . implode(', ', $selectedStudents);

?>