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Trincomalee Campus, Eastern University, Sri Lanka

Faculty of Applied Science

Department of Computer Science

Bachelor of Science in Computer Science (2019/2020)

Year III Semester II Examination (Dec, 2024)

CS3211 – Practical Work on CS3221

Answer All Questions

Time: 02 Hours

Instructions:

- Use MARS IDE for MIPS assembly programming.
- Save all of your work (.asm files) with the question number as a filename in a folder in the Desktop with your Index Number.

Q1. Write a MIPS assembly program to do the following and Save it with the filename

Q1_util.asm

- a) Write a subprogram to exit from an assembly program [05 marks]
- b) Write a subprogram to print a String [05 marks]
- c) Write a subprogram to prompt an Integer [05 marks]
- d) Write a subprogram to print an Integer [05 marks]
- e) Write a subprogram to print a Tab [05 marks]

Q2. Translate the following pseudo code into MIPS assembly. Use register direct access when addressing the memory.

[30 marks]

```
main() {  
    int miles = prompt("Enter the number of miles driven: ");  
    int gallons = prompt("Enter the number of gallons used: ");  
    int mpg = miles / gallons;  
    output("Your mpg = " + mpg);  
}
```

Q3. Write a MIPS program that prompts the user to enter a positive integer and prints whether it is even or odd.

[15 marks]

Hint: Use the Q1_util.asm to make the assembly program's length shorter.

Q4. Write an MIPS assembly program that mimics a calculator. The program should take two integers and the operation to be performed as input. The operations to be performed should be displayed as a Menu and the user is also prompt to select the operation number from the menu. It should then output the numbers, the operator, and the result. (For division, if the denominator is zero, output an appropriate message.) Some sample inputs and outputs follow:

[30 marks]

Sample Input & Output

Enter Number 1: 5

Enter Number 2: 7

Menu

1 - Addition

2 - Subtraction

3 - Multiplication

4 - Division (Quotient)

5 - Modulus (Reminder)

Select the operation from the Menu: 3

$5 \times 7 = 35$

6eq t5, add

t5 t1,

key



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Trincomalee Campus, Eastern University, Sri Lanka

Faculty of Applied Science

Department of Computer Science

Bachelor of Science in Computer Science (2019/2020)

Year III Semester II Examination (Dec, 2024)

CS3221 – Assembly Language Programming

Time: 02 Hours

Answer All Questions

Q1.

- a) Briefly explain the basic functional components of a Data path. [25%]
- b) Write true (T) or false (F) against each of the following statements. [15%]
- MIPS is short for Microprocessor without Interlocked Pipeline Stages.
 - MIPS is a CISC (Complex Instruction Set Computer) architecture.
 - Since all instructions in MIPS are 32 bits long, all instruction addresses are divisible by 4.
 - Learning assembly language makes complex to understand the High-Level Language programming.
 - Assembly language is intended to directly manipulate the hardware that a Program is run on.

(a)

Write the 2's complement form of each of the following numbers: [28%]

- 13
- 13
- 156
- 209

- d) Convert the following number or address representation to the specified number system. [32%]

- $B5_{16}$ to Binary
- $\underline{11110110}_2$ to Hexadecimal
- 00110111_2 to Decimal
- 6A: FF: 08: 93 is a MAC Address to Binary

Q2.

- (a) Write three differences between an address and a value for data stored in memory? [15%]
- b) Differentiate General Purpose registers and Special purpose registers. [15%]
- c) Write a MIPS assembly language program to implement the following tasks. [40%]
- Prompt the length, width and height of a rectangular wooden box

2. Read the length, width and height of a rectangular wooden box
3. Compute the surface area and volume of the box
4. Display the surface area and the volume of the box

Hint: Surface Area = $2(\text{length} \times \text{width} + \text{length} \times \text{height} + \text{width} \times \text{height})$,
 Area = $\text{length} \times \text{width} \times \text{height}$

- d) Write the following sequence of code into MIPS assembly instructions. [30%]

i. $x = x + y + z - q;$

Assume that x, y, z and q are stored in registers $\$s1$ to $\$s4$.

ii. $\text{counter} ++;$

Assume that counter is the label of an integer stored in the main memory.

iii. $A = (B - C - 30 + D - E + F)/8$

Assume that variable A-F are in registers $\$s0$ -\$ $\$s5$ respectively.

Q3.

- a) Write down the MIPS Instruction Formats. [15%]

- b) Explain the fields of R-type and I-type instruction format. [20%]

- c) Translate the following MIPS machine code into MIPS assembly language. [25%]

0x2010000a

0x34110005

0x012ac022

0x00184082

0x030f9024

- d) Consider the following MIPS instructions. For each instruction answer the below questions. [40%]

Instruction 01: ori \$v0, \$zero, 10

Instruction 02: add \$t7, \$t2, \$zero

Instruction 03: sll \$t2,\$s0,4

i. What is the type of instruction format?

ii. List the MIPS instruction fields for each

iii. Represent the instruction in machine code (hexadecimal).

Q4.

- a) Explain the types of memory used by MIPS. [20%]

b)

i. List the methods of accessing the data memory of MIPS.

ii. Write an example for any one of the methods.

[08%]

[12%]

c) Translate the following pseudo code into MIPS assembly. Note that variables *x* [20%]

and *y* are static and volatile, so should be stored in data memory.

```
main() {  
    static volatile int miles = prompt("Enter the number of miles  
    driven:");  
    static volatile int gallons = prompt("Enter the number of  
    gallons used:");  
    static volatile int mpg = miles / gallons;  
    output("Your mpg = " + mpg);  
}
```

d) Consider the following MIPS assembly program segment.

LOOP:

```
    slt    $t2, $0, $t1  
    beq    $t2, $0, DONE  
    subi   $t1, $t1, 1  
    addi   $s2, $s2, 2  
    j      LOOP
```

DONE:

i. Suppose the initial value of \$t1 is 10 and \$s2 is 0. What is the final value

of the register \$s2? 20

[10%]

ii. How many times is the loop executed? 10

[05%]

iii. Translate the instruction segment into any of the HLL code segments.

[25%]

0010|0010
2 2

MIPS Green Sheet

Include only the Partial information that necessary for this paper

NAME, MNEMONIC		OPCODE / FUNCT (Hex)
Add	add	0 / 20 _{hex}
Add Immediate	addi	8 _{hex}
Add Imm. Unsigned	addiu	9 _{hex}
Add Unsigned	addu	0 / 21 _{hex}
And	and	0 / 24 _{hex}
And Immediate	andi	c _{hex}
Branch On Equal	beq	4 _{hex}
Branch On Not Equal	bne	5 _{hex}
Jump	j	2 _{hex}
Jump And Link	jal	3 _{hex}
Jump Register	jr	0 / 08 _{hex}
Load Byte Unsigned	lbu	24 _{hex}
Load Halfword Unsigned	lhu	25 _{hex}
Load Linked	ll	30 _{hex}
Load Upper Imm.	lui	f _{hex}
Load Word	lw	23 _{hex}
Nor	nor	0 / 27 _{hex}
Or	or	0 / 25 _{hex}
Or Immediate	ori	d _{hex} ✓
Set Less Than	slt	0 / 2a _{hex}
Set Less Than Imm.	slti	a _{hex}
Set Less Than Imm. Unsigned	sltiu	b _{hex}
Set Less Than Unsig.	sltlu	0 / 2b _{hex}
Shift Left Logical	sll	0 / 00 _{hex}
Shift Right Logical	srl	0 / 02 _{hex}
Store Byte	sb	28 _{hex}
Store Conditional	sc	38 _{hex}
Store Halfword	sh	29 _{hex}
Store Word	sw	2b _{hex}
Subtract	sub	0 / 22 _{hex}
Subtract Unsigned	subu	0 / 23 _{hex}

NAME	NUMBER
\$zero	0
\$at	1
\$v0-\$v1	2-3
\$a0-\$a3	4-7
\$t0-\$t7	8-15
\$s0-\$s7	16-23
\$t8-\$t9	24-25
\$k0-\$k1	26-27
\$gp	28
\$sp	29
\$fp	30
\$ra	31

37
0 2106010
✓
0 2106010
✓

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Trincomalee Campus, Eastern University, Sri Lanka

Faculty of Applied Science

Department of Computer Science

Bachelor of Science in Computer Science (2019/2020)

Year III Semester II Examination (December 2024)

CS3233: Professional Issues in IT

Answer All Questions

Time: Three Hours

Q1)

- a) Explain the term “Code of Ethics” of an organisation. [02 Marks]
- b) Write down two differences between *Ethics* and *Morals*. [04 Marks]
- c) Briefly describe how the employees of an organization can be treated ethically. [05 Marks]
- d) Manager of the company puts a three-inch thick binder entitled “Corporate Business Ethics, Policies and Procedures” on James’s desk and tell him to “read it when you have time and sign the attached form that says you read and understand the corporate policy”. James thinks, “This is overwhelming. Can’t they just give me the essentials? I can never absorb all this”.
 - i) Briefly explain how James is behaving unethically. [04 Marks]
 - ii) Describe the appropriate way for him to behave in this situation. [05 Marks]

*Q1) Ethics & Morals
For use of software*

Q2)

- a) Provide two types of software piracy along with an example for each. [02 Marks]
- b) Do IT workers qualify as professionals? Justify your answer. [03 Marks]
- c) Write short notes on the following:
 - i) Whistle-blowing
 - ii) Misrepresentation
- d) Sophia works as a procurement officer at a large manufacturing company. A supplier offers her an expensive watch as a token of appreciation for considering their bid in an upcoming project. The supplier insists it is just as a “gift” with no strings attached. However, the timing of the gesture coincides with the final decision-making stage of the bidding process.
 - i) Should Sophia accept the watch? Why or why not? No [02 Marks]
 - ii) How can Sophia differentiate between a bribe and a gift in this situation? [03 Marks]

iii) What ethical guidelines should Sophia follow to handle this situation appropriately?

[04 Marks]

Q3)

- a) Briefly explain the term "Effective Professional Communication". [02 Marks]
- b) Describe the importance of effective contribution to the meetings. [03 Marks]
- c) Explain two main causes of poor software quality. [04 Marks]
- d) Briefly explain the term "Safety Critical System" with an aid of examples. [03 Marks]
- e) Write short notes on the following terms:
 - i) Plagiarism
 - ii) Citation[08 Marks]

Q4)

- a) What do you understand by the term "Exploits"? [01 Mark]
- b) Explain what is trustworthy computing. [02 Marks]
- c) Briefly explain the process of risk management. [04 Marks]
- d) Compare and contrast between malicious insiders and industrial spies. [04 Marks]
- e) Write short notes on the following terms:
 - i) Trojan Horse
 - ii) Phishing
 - iii) Distributed Denial of Service[09 Marks]

Q5)

- a) Define the term "Intellectual Property". [02 Mark]
- b) Explain the following terms:
 - i) Patent
 - ii) Fair Use Doctrine
 - iii) Pornography[06 Marks]
- c) List down three commonly used open source software along with its purpose. [03 Marks]

d) Tech Innovate Ltd. developed a unique algorithm for data compression that significantly reduces storage costs. This algorithm is the company's key trade secret, providing a competitive advantage in the market. The company strictly controls access to the algorithm, sharing it only with a few senior engineers who have signed non-disclosure agreements (NDAs).

One of the engineers, Alex, receives a lucrative job offer from a competitor. Before leaving, Alex downloads the algorithm onto a personal device with the intention of using it in his new job. Tech Innovate Ltd. discovers the breach and takes legal action against Alex.

- i) What is trade secret, and why is the algorithm considered one? [02 Marks]
- ii) Was Alex's action ethical or legal? Explain. [03 Marks]
- iii) What steps should Tech Innovate Ltd. take to protect its trade secrets in the future? [04 Marks]



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Trincomalee Campus, Eastern University, Sri Lanka
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Department of Computer Science
Bachelor of Science in Computer Science (2019/2020)
Year III Semester II Examination (December, 2024)
CS3222: Software Quality Assurance (Theory)

Answer All Questions

Time: 02 Hours

Q1)

- a) What do you understand by the term "Software Quality"? [15 Marks]
- b) Explain three factors that are affecting defect detection in software products. [20 Marks]
- c) List down the nine Causes of errors. [18 Marks]
- d) Explain the relationship between "Software Quality Assurance" and "Software Engineering" [20 Marks]
- e) State whether the following statements are true or false. [27 Marks]
- i. Software faults are software errors that cause the incorrect functioning of the software during a specific application. T
 - ii. The comprehensive software quality requirements cover all attributes of software and aspects of the use of software. T
 - iii. Testers should be responsible for the quality of a product. F
 - iv. In McCall's factor model reliability requirements deal with the hardware resources needed to perform all the functions of the software system in conformance to all other requirements. F
 - v. Mostly white-box testing techniques are used for unit testing of software. T
 - vi. Testing cannot be started if the product is not fully developed. F
 - vii. Design standards specify the form and content of how requirements are defined in a system. T
 - viii. Development facilities in the development plan include hardware, software, and hardware development tools, office space, and other required items. T
 - ix. Bug Tracking System is a platform for testers and developers to communicate with each other. T

Q2)

Q3) M&P
DA/QC

WJ Davis
AJT 2024

- a) Briefly explain the difference between a "Programmer" and a "Quality Assurance Engineer". [20 Marks]
- b) Summarize the "product operation factors" in McCall's factor model. [20 Marks]
- c) List down five testing principles in software testing. [20 Marks]

- d) What do you understand by the terms "Verification" and "Validation"? [20 Marks]
- e) Briefly explain the types of "Peer Reviews". [20 Marks]

Q3)

- a)
- i. What is software testing?
 - ii. List down the objectives of software testing. [20 Marks]
- b) Briefly explain two types of acceptance testing. [20 Marks]
- c) Differentiate white box testing and black box testing [20 Marks]
- d) Explain positive and negative test cases with examples. [20 Marks]
- e) Consider the following scenario: [20 Marks]
"You are at the Grocery store's checkout counter. You have bought five items (x, y, z, a, and b). You make payment and move to the EXIT door." Assume that, the checkout counter is a human-less machine is there to scan items and your card then it will process the payment.

List all possible test scenarios you are planning to execute in the above case.

Q4)

- a) What do you mean by "Software Configuration Versions"? [10 Marks]
- b) List down the standards involved in software quality assurance. [12 Marks]
- c) Briefly explain the importance of the Development and Quality Plan. [18 Marks]
- d) Summarize the factors determined in the classic model of software quality in terms of cost. [30 Marks]
- e) Briefly explain the Software risk management process in software quality assurance. [30 Marks]

Planning
Implementing
Monitoring
Peer review



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Faculty of Applied Science

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Year III Semester II Examination (December 2024)

CS3224 Computer Networks

PBS
J
J

Answer All Questions

Time: 02 Hours

Q1.

- Briefly explain the five components of data communication. [15%]
- What are the three criteria necessary for an effective and efficient network? [15%]
- Categorize the four basic topologies in terms of line configuration. R, B, S, M [25%]
- Suppose four networks are arranged with four basic topologies and in each network, five devices are connected. For each network what are the consequences if a connection fails? [25%]
- Compare the TCP/IP reference model with the ISO-OSI model. [20%]

Q2.

- Explain the procedure for Pure ALOHA protocol with the aid of a diagram. [20%]
- A large population of ALOHA users manage to generate 50 requests/sec, including both originals and retransmissions. Time is slotted in units of 40 msec. Answer the questions below: [35%]
 - What is the chance of a success on the first attempt?
 - What is the probability of experiencing exactly k collisions and then achieving a success?
 - What is the expected number of transmission attempts?
- Differentiate Pure ALOHA and Slotted ALOHA in terms of the following properties: [30%]
 - ✓ Data transmission ✓ Time status/time during transmission
 - ✓ Vulnerable time ✓ Successful transmission
 - ✓ Channel efficiency ✓ Collision status
- Explain why the vulnerable time in ALOHA depends on Frame transmission time (T_{fr}) but in CSMA depends on the Propagation time (T_p)? [15%]

2xTR

1.0000
0.2607

0.7393

1.0000
0.2906

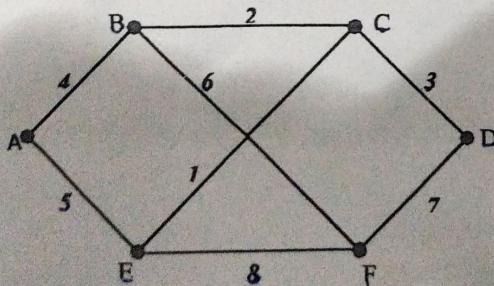
0.7294

Q3.

- a) How the actual unicast, multicast, and broadcast transmissions are distinguished from each other? [20%]
- b) Why there is no need for CSMA/CD on a full-duplex Ethernet LAN? [15%]
- c) Consider an Ethernet LAN, the average size of a frame is 1000 bytes. If a noise of 2ms occurs on the LAN, how many frames are destroyed in; [40%]
- i. a Standard Ethernet LAN.
 - ii. a Fast Ethernet LAN.
 - iii. a Gigabit Ethernet LAN.
 - iv. a 10 Gigabit Ethernet LAN.
- d) Suppose a LAN is configured with a 10Base5 cable of length 2500m. The speed of propagation in a thick coaxial cable is $2 \times 10^8 \text{ ms}^{-1}$. Assume there is a $10\mu\text{s}$ delay in the equipment. [10%]
- i. Does this network need to install repeaters? If yes, how many are needed?
 - ii. How long does it take for a bit to travel from the beginning to the end of the network? [15%]

Q4.

- a) Compare and contrast link-state and distance-vector routing algorithms. [20%]
- b) Consider the following network diagram in which Distance Vector algorithm is used for routing. *Bellman Ford*

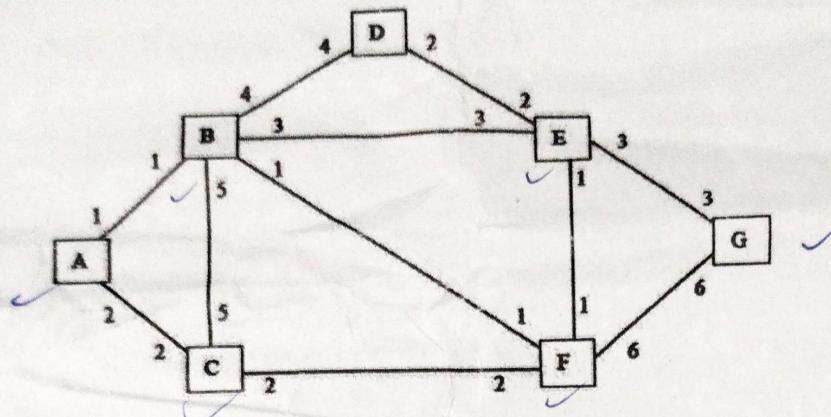


The router F receives the following vectors from B, D and E.

- from B: (5, 0, 8, 12, 6, 2);
from D: (16, 12, 6, 0, 9, 10); and
from E: (7, 6, 3, 9, 0, 4).

Suppose the routers B, D and E have some delays to send their vectors to F and the measured delays are 9, 6 and 3 respectively. What is F's new routing table? [15%]

c) Consider the following graph, representing the nodes and the connection between them.



i. Calculate the Shortest Path tree for node D. [20%]

ii. Build the corresponding routing table for node D from the resulting tree. [15%]

d) Write short notes on the following: [30%]

i. Flooding

ii. Unicast Routing

iii. Multicast Routing



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Trincomalee Campus, Eastern University, Sri Lanka

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Year III Semester II Examination (Dec, 2024)

CS 3214 – Practical Work on CS3224

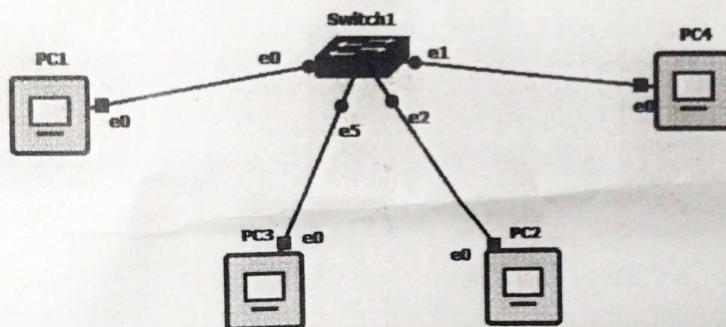
Answer All Questions

Time: 02 Hours

Instructions:

- Use GNS3 and VMware Workstation for the simulation.
- Save all of your work (project files) with the question number as a project name inside the folder in the Desktop with your Index Number.

Q1. Create a GNS3 project to simulate the following topology. Perform the actions mentioned below:



- Create the topology with suitable devices. [10%]
- Change the symbols of the PCs and the switch. [04%]
- Connect the PCs with the suitable ports of the Switch. [04%]
- Configure the PCs to run on the local host. [02%]
- Assign the IP address of the PCs as follows: [04%]

PCs	IP Address
PC1	10.1.1.1/24
PC2	10.1.1.2/24
PC3	10.1.1.3/24
PC4	10.1.1.4/24

- Ping from PC2 to PC4. Get the screenshot and save it in the Q1 folder. [02%]
- Save the configuration of all PCs. [04%]

Q2. Create a GNS3 project to separate traffic for two departments (Sales and IT) using VLANs.

- a) Create a topology as in Q1. [10%]
- b) Configure VLANs on the Ethernet Switch [20%]
 - Sales VLAN: VLAN ID 10 (Ports: *Ethernet0* and *Ethernet1*)
 - IT VLAN: VLAN ID 20 (Ports: *Ethernet2* and *Ethernet3*)
- c) Assign IP Addresses to PCs [10%]
 - PC1 (Sales): 192.168.10.2 / 24
 - PC2 (Sales): 192.168.10.3 / 24
 - PC3 (IT): 192.168.20.2 / 24
 - PC4 (IT): 192.168.20.3 / 24
- d) Ping between devices and save the snapshots in the answer folder. [10%]
 - PC1 ↔ PC2
 - PC3 ↔ PC4
 - PC1 ↔ PC3 or PC4

Q3. An ISP is granted the block 80.70.56.0/21. The ISP needs to allocate addresses for two organizations each with 500 addresses, two organizations each with 250 addresses, and three organizations each with 50 addresses.

- a) Find the number and range of addresses in the ISP block. [10%]
- b) Find the range of addresses for each organization and the range of unallocated addresses. [10%]

Type the answer to this question and save it in a Notepad as *Q3.txt* file



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CS 3212: Practical work on CS 3222

Answer All Questions

Time: 02 Hours

Instructions:

- Create a folder in desktop with your “**Index Number**” (Eg: 19/COM/01) and save the answers for the following questions.
- Use the Tool:- **Eclipse**
- Use Driver and Library:- **Google Chrome Driver, Selenium jar Library Files.**
- Source files are inside the **Source_Data_CS3212** folder on the **Desktop**.
- You have to use **Google Chrome** as a web browser.
- Check your Chrome version (If the version not there in the source folder, download appropriate version. Download link is in the source folder name as “**Chromedrive_link**”) and upload the same version of **Chrome Driver** inside your every project.

Q1) Create new maven project named as “Register_Form” using Selenium Web driver and Eclipse. Create a java file name as “user_registration”. Open the home.html file using google chrome and write down the selenium web driver java code for the below test scenarios.

1. Open the Chrome Browser.
2. Enter the URL and navigate to the “home.html” page.
3. Enter your first name input field value as “Ava Bella”.
4. Enter your last name input field value as “Willson”.
5. Enter your email input field value as “Bella@gmail.com”.
6. Enter your password input field value as “ava@2024”.
7. Enter your confirm password field value as “ava@2024”.
 - a. Check password and confirm password
 - i. If password is empty print the message as “Password field is Empty”.
 - ii. If confirm password is empty print the message as “Confirm Password field is Empty”.
- b. Check password and confirm password are same print the message as “Passwords are Equal”. Otherwise print the message as “Passwords are not Equal”.
8. Select your gender name as “Female”.

9. Select your hobbies as “Travel”.
10. Select your Source of Income as “Self-employed”.
11. Set your income as “65K”.
12. Choose an image “sqa.png” from registration folder.
 - a. If image is empty or null then print the message as “Select image data”.
- **Condition:-** Your selenium code itself select the image from “Registration” folder.
13. Select your Age as “30”.
14. Type biodata as “Bella is a software engineer with extensive experience and management skill and works for hi-tech telecommunication company”.
15. Open the new tab and search <https://www.yahoo.com/>.

[35 Marks]

Q2) Create new maven project name as “AdminUser_Test” using Selenium Web driver and Eclipse. Create a java file name as “User_Test.java”.

Extract the “EmployeeUser.rar” (inside the Source_Data_CS3212 folder) folder and place it inside C:\wamp\www or C:/xampp/htdocs. Then import the employee.sql database backup to your local database.

Write down the selenium web driver java code for auto check for following scenarios.

1. Create a method called `callBrowser()` to open the Chrome Browser and navigate to the “Admin Login Page”.
2. Create a method called `passingUsernameAndPassword(String userName, String userPassword)` to pass the values into login fields.
 - username - admin@gmail.com
 - password - admin@12345
3. Create a method called `adminLogin()` to login.
 - **Condition:-** check username or password fields are empty or not.
 - i. If username is empty print the message as “username is empty”.
 - ii. If password is empty print the message as “password is empty”.
 - iii. Otherwise login.
4. Create a method called `clickUserAndURLValidation()` to click the user side menu and check the URL validation.
 - **Condition:-** Check current URL and expected URL both are same or not.
 - i. If both matched print out a message in the console as “URL Validation Success!”.
 - ii. If both doesn’t match print out a message in the console as “URL Validation Failed!”
5. Create a method called `entriesDropdown()` to click the show entries dropdown and print the selected value in the console.

- Condition:- your method must select the option only by an index.
 - Message - "The Selected Option is : "
6. Create a method called `searchUser(String name)` to search the user.
- Search value is - "Ad"
7. Create a method called `addNewUser(String username, String password, String firstname, String lastname)` to insert new user.
- username - ram@gmail.com
 - password - ram@12345
 - firstname - Ram
 - lastname - Gopal
 - Condition:- Created method must close the alert box after successfully creates.
 - Print the alert message in the console - "User Saving Alert Message is : "
8. Create a method called `updateUser(String lastname)` to update the user.
- Update the lastname from "Gopal" to "User".
 - Condition:- Created method must close the alert box after successfully updates.
 - Print the alert message in the console: "User Updating Alert Message is : "
9. Create a method called `deleteUser()` to delete the user.
- Condition:- Click the delete button for "Ram" and your created method must close the alert box without accepting the delete confirmation alert.
 - Print the alert message in the console: "User Deleting Alert Message is : "
10. Create a method called `logoutUser()` to logout from the website.
11. Call all the above created methods inside the main method.

[40 Marks]

Q3) Create a TestNG Project name as "Testbasic_Exam".

- Write down the following test cases for a class name of "testNGHome"

Method Name	Print Message
registerAccount	First register your account
sendEmail	Send email after login
login	Login to the account after registration
homepage	This is the index page
logout	Logout current session

- Execute all the test cases without any priority order.
- Need to execute a test case "registerAccount" before "login" test case.
- Create another class name "dependentClass" and write the test cases for above table data.
 - Test case "login" is dependent on test case "registerAccount". Now, execute all the test cases.

- Test case “logout” is dependent on both “login” and “homepage” test cases.
Now, execute all the test cases.

Hint:- Create a XML schema file in the “src” path of project folder to execute test cases.

[25 Marks]

Note:- Copy all the eclipse project folders from “**eclipse-workspace**” to paste inside your “**index number**” folder.