RAGHAVENDRA KOWTAL

P:+918867003588|:github.com/Raghvkowtal|raghvkowtal.github.io/Personal-Portfolio/|inkedin.com/in/raghavendra-kowtal-583b1921a/

EDUCATION

SDM COLLEGE OF ENGINEERING AND TECHNOLOGY Dharwad, KA
Bachelor of Engineering Aug 2019 - June 2023
Major in Electronics and Communications;Cumulative GPA: 7.23/10.0;
Relevant Coursework: Web Development, Software Engineering; Operating Systems; Algorithms; Artificial Intelligence

KARNATAKA SCIENCE COLLEGE Dharwad, KA
Pre-University Education
2017 - 2019

WORK EXPERIENCE

Patil Electric Works Pvt Ltd
Armature Design Intern Aug 2022 –Sep2022
- Design of Armature according to the customer's requirements (Quality check, Assembly.)
- Manufacturer of armatures, dual speed motors & validate wiring harness in Hubballi.

VIRAL FISSION
Student Ambassador Jun 2021 – Sep 2021
- Promoted products digitally on Social-media platforms.
- Managed a team of 15-members, Supervision of product promotion on online platforms.

UNIVERSITY PROJECTS

REAL-TIME FOOD ORDERING SYSTEM Aug 2022 – Mar 2023
- Designed and implemented a food ordering application using HTML, CSS, JavaScript, Node JS, My SQL.
- Rendered 3 interfaces namely Customer, Admin, Restaurant sides.
- Enabled users to order food using Intranet, where 3000+ people can order at same time. LINK- https://tinyurl.com/2jx4tjsc

REACT.JS PORTFOLIO WEBSITE Jan 2023 – Apr 2023
- Created and rendered a portfolio design that can be used anyone.
- Technologies used: React.JS, HTML, CSS, JavaScript. LINK- https://tinyurl.com/RECTP

REACT.SJ ONLINE EDUCATIONAL WEBSITE Dec 2022 – Mar 2023
- Engineered and executed an educational website using React JS, JavaScript, HTML, CSS.
- Provided options to choose from 3 courses. LINK- https://tinyurl.com/EDCWB

GESTURE TO SPEECH CONVERSION USING ML Sep 2022 – Dec 2022
- Built a model using CNN Algorithm by providing 4000 Hand-gesture Data set with an Accuracy of 97%.
- Technologies used: ML, AI, Open-CV, Python, CNN, Tensorflow, Keras. LINK- https://tinyurl.com/HGSRE

FACE RECOGNITION USING MACHINE LEARNING Sep 2021 – Dec 2021
- Built a model using Haar Cascade Algorithm by providing 5000 face-images Data-set with an Accuracy of 95%.
- Trained the model using data-set of 5000 images.

ACTIVITIES

PUBLISHING
Published a paper entitled “Real-Time Intranet Based Food Ordering System” in World Journal of Advanced Research and Reviews. Paper link-“https://wjarr.com/content/development-novel-real-time-intranet-based-food-ordering-system”.

ADDITIONAL

Programming Languages: HTML, CSS, JavaScript, Python.

Frameworks: React JS, Material –UI, Bootstrap, Node.JS, Tailwind CSS.
Developer Tools: VS Code, PyCharm, IntelliJ.
Certifications & Training: Programming Concepts with 'C'(ISCT-2019), MERN Stack Web Application Development (2023).
Email- raghavendrakowtal@gmail.com

NAME- RAGHAVENDRA KOWTAL

EMAIL- raghavendrakowtal@gmail.com

BATCH- A2 (2 – 4pm)

TOPIC-

DIFFERENCES BETWEEN ELISIF LADDER AND SWITCH STATEMENTS

ELSE IF LADDER:

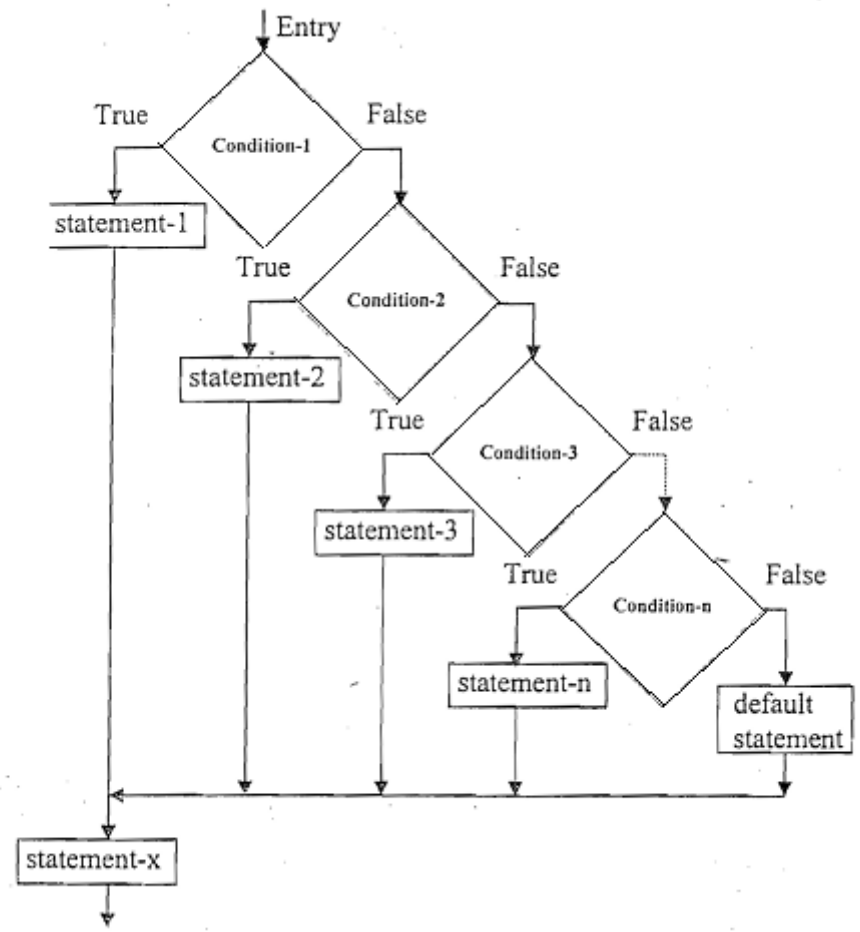
else if statement can be defined as a control statement which controls the statement(s) to be executed on the basis of some conditions. Whenever the else if statement is used, the compiler or interpreter initially checks the condition whether it is true or false and if the condition is found to be true then, the corresponding statements are executed. If the condition is found to be false, it continues checking the next *else if* statement until the condition comes to be true or the control comes to the end of the *else if ladder*.

The **syntax of else if ladder** can be represented as:

```
void score(int score) {
        if(score>90)
        {
                System.out.println("Grade A+");
        }
        else if(score>=80 && score<90)
        {
                System.out.println("Grade A");
        }
        else if(score>=70 && score<80)
        {
                System.out.println("Grade B");
        }
        else if(score>=60 && score<80)
        {
                System.out.println("Grade C");
        }
        else if(score>=50 && score<60)
        {
```

```
            System.out.println("Grade D");
        }
        else
        {
            System.out.println("Fail ");
        }
```

BELOW IS A FLOWCHART THAT REPRESENTS *ELSE IF LADDER*.



FEATURES OF ELSE IF LADDER:

- It evaluates an expression and then, the code is selected based on the true value of evaluated expression.
- Each else if has its own expression or condition to be evaluated.
- The variable data type used in the expression of else if is either integer or character.
- The decision making of the else if is dependent on zero or non-zero basis**.**

SWITCH CASE:

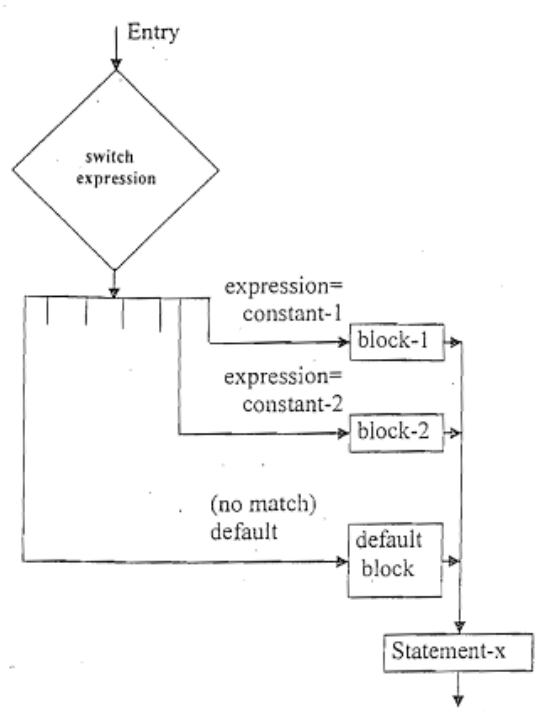
The *switch case* statement is similar to the else-if ladder as it provides multiple branching or multi-conditional processing. But, the basic difference between switch case and else if ladder is that the *switch case* statement tests the value of variable or expression against a series of different cases or values, until a match is found. Then, the block of code with in the match case is executed. If there are no matches found, the optional default case is executed.

The **syntax of switch case** can be represented as:

```
switch(num) {
        case 1:
            System.out.println("SUNDAY");
            break;
        case 2:
            System.out.println("MONDAY");
            break;
        case 3:
            System.out.println("TUESDAY");
            break;
        case 4:
            System.out.println("WEDNESDAY");
            break;
```

```
case 5:
        System.out.println("THURSDAY");
        break;
case 6:
        System.out.println("FRIDAY");
        break;
case 7:
        System.out.println("SATURDAY");
        break;
default:
        System.out.println("idiot ");
}
```

BELOW IS A FLOWCHART THAT REPRESENTS *SWITCH CASE*.



FEATURES OF SWITCH CASE:

- The *switch case* statement evaluates the value of an expression and a block of code is selected on the basis of that evaluated expression.
- Each case refers back to the original expression.
- The data type that can be used in switch expression is integer type only.
- Each case has a break statement.
- The switch case takes decision on the basis of equality.

DIFFERENCE BETWEEN SWITCH CASE AND ELSE IF LADDER

- In else if ladder, the control goes through the every else if statement until it finds true value of the statement or it comes to the end of the else if ladder. In case of switch case, as per the value of the switch, the control jumps to the corresponding case.

- The switch case is more compact than lot of nested else if. So, switch is considered to be more readable.

- The use of break statement in switch is essential but there is no need of use of break in else if ladder.

- The variable data type that can be used in expression of switch is integer only where as in else if ladder accepts integer type as well as character.

- Another difference between switch case and else if ladder is that the switch statement is considered to be less flexible than the else if ladder, because it allows only testing of a single expression against a list of discrete values.

- Since the compiler is capable of optimizing the switch statement, they are generally considered to be more efficient. Each case in switch statement is independent of the previous one. In case of else if ladder, the code needs to be processed in the order determined by the programmer.

- Switch case statement work on the basis of equality operator whereas else if ladder works on the basis of true false (zero/non-zero) basis.