



E-Learners: Mock UI

CSE 408 : Software Development Sessional

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Courses

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Build data skills online
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Python Web Development Graphics Design Mathematics Gaming

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Career Paths are our most complete offering

Language

Gain A Skill

Course Learn Intermediate Java
• Intermediate, 8 Lessons

PRO Course Learn Python 3
• Beginner friendly, 14 Lessons

Course Learn JavaScript
• Beginner friendly, 11 Lessons

Course Learn HTML
• Beginner friendly, 6 Lessons

Course Learn Java
• Beginner friendly, 16 Lessons

Explore All JavaScript

Language Fluency

Language Fluency

Language Fluency

Language Fluency

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Not sure where to start?
This short quiz will sort you out. Answer a few simple questions to get personal career advice and course recommendations.

Take A QUIZ

QUIZ!

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Courses



Give me a custom recommendation



Tracks



Assessments



Projects

Welcome Alice!

Let's find something for you to learn



Find Tracks & Courses



Not sure where to start?

This short quiz will sort you out. Answer a few simple questions to get personal career advice and course recommendations.

Take A QUIZ



Quiz: Start



**What's your programming
Background?**



Search

Log out

Find out which careers, languages, and courses suit your personal interests and strengths best.

Start

Quiz: Questions



1/5



Search

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Skip this Question

Theoretical Problems

I prefer to spend time
solving.....

Real Life Problems

Quiz: Results



Most likely
Problem Solver



A lot like
Question Asker



Also like
Designer



Little like
Math Enthusiast



[← Retake quiz](#)

Problem Solver

Logic, patience, communication, and attention to detail are your underlying strengths. You have a knack for not panicking in the face of complexity. You break things down into manageable chunks, and tackle them with the tools at your disposal. Things you're into: planning, building structures, thinking in systems, puzzles, adapting to change and learning new technologies.



Become A Software Engineer

[Start the track](#)



Or try starting with



JavaScript

[Start JavaScript](#)



Code with Python

[Start Python](#)

[Explore all](#)

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Welcome Alice!

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Not sure where to start?

This short quiz will sort you out. Answer a few simple questions to get personal career advice and course recommendations.

Take A QUIZ



Find a Course: Initial Page



Languages ^

- Python
- Java
- SQL
- C++
- C

Subjects ^

- Code Foundations
- Cyber Security
- Game Development
- Mobile Development
- Web Development

Most Popular



Course
Introduction to Python
Python is a general-purpose programming language that is becoming ever more popular for data science.

⌚ 4 hr 🎥 11 videos ★ 4.5



Career Track
Web Development with Java
Java is a general-purpose programming language that is becoming ever more popular for data science.

⌚ 60 hr 🎥 150 videos ★ 4.5



Career Track
Graphics with C++
The Ultimate Graphic Design Course Which Covers Photoshop, Illustrator, InDesign, Design Theory, Branding and Logo Design

⌚ 40 hr 🎥 95 videos ★ 4.5



Course
Introduction to Java
Java is a general-purpose programming language that is becoming ever more popular for data science.

⌚ 4 hr 🎥 11 videos ★ 4.5



Career Track
Data Structures
In this course we will understand different data structures and how to use them effectively for solving problems.

⌚ 50 hr 🎥 120 videos ★ 4.5



Course
Basic C Programming
C is a very popular language for performance-critical applications that rely on speed and efficient memory management.

⌚ 4 hr 🎥 11 videos ★ 4.5

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Find a Course: Option Selected



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Languages ^

Python

[Java](#)[SQL](#)[C++](#)[C](#)

Subjects ^

[Code Foundations](#)[Cyber Security](#)[Game Development](#)[Mobile Development](#)[Web Development](#)

Languages / Python



Course

Introduction to Python

Python is a general-purpose programming language that is becoming ever more popular for data science.

⌚ 4 hr 🎥 11 videos ★ 4.5



Career Track

Web Development with Python

Learn web development with Django and Flask using Python.

⌚ 60 hr 🎥 150 videos ★ 4.5



Career Track

Math for Data Science

Learn math for data science in Python.

⌚ 40 hr 🎥 95 videos ★ 4.5



Course

Raspberry Pi Intro in Python

The Raspberry Pi project originally leaned towards the promotion of teaching basic computer science in schools and in developing countries.

⌚ 4 hr 🎥 11 videos ★ 4.5



Career Track

Deep Learning with Python

In this course we will understand different deep learning algorithms and how to use them effectively for solving real-world problems.

⌚ 50 hr 🎥 120 videos ★ 4.5



Course

Python 2 Programming

Learn Python 2 basics and solve simple problems using them.

⌚ 4 hr 🎥 11 videos ★ 4.5

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Courses



Tracks



Assessments

Projects

Welcome Back, Alice!



C-Programming for Beginners

Keep Making Progress

< > 7 Tasks

Suggested Courses



[Introduction to SQL](#)



[Start Course](#)

Suggested Projects



Python

Use Python to build a project that has a specific solution, with guided tasks and real-time automated code checks

[Start Project](#)



In Progress

Completed

see all

Introduction to Python

Unlike other Python tutorials, this course focuses on Python specifically for data science. In our Introduction to Python course, you'll learn about powerful ways to store and manipulate data

[Continue Course](#)

Introduction to SQL

This course teaches syntax in SQL shared by many types of databases, such as PostgreSQL, MySQL, SQL Server, and Oracle.

[Continue Course](#)

Introduction to JavaScript

This course teaches syntax in SQL shared by many types of databases, such as PostgreSQL, MySQL, SQL Server, and Oracle.

[Continue Course](#)

Attribute



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Hello Snoop



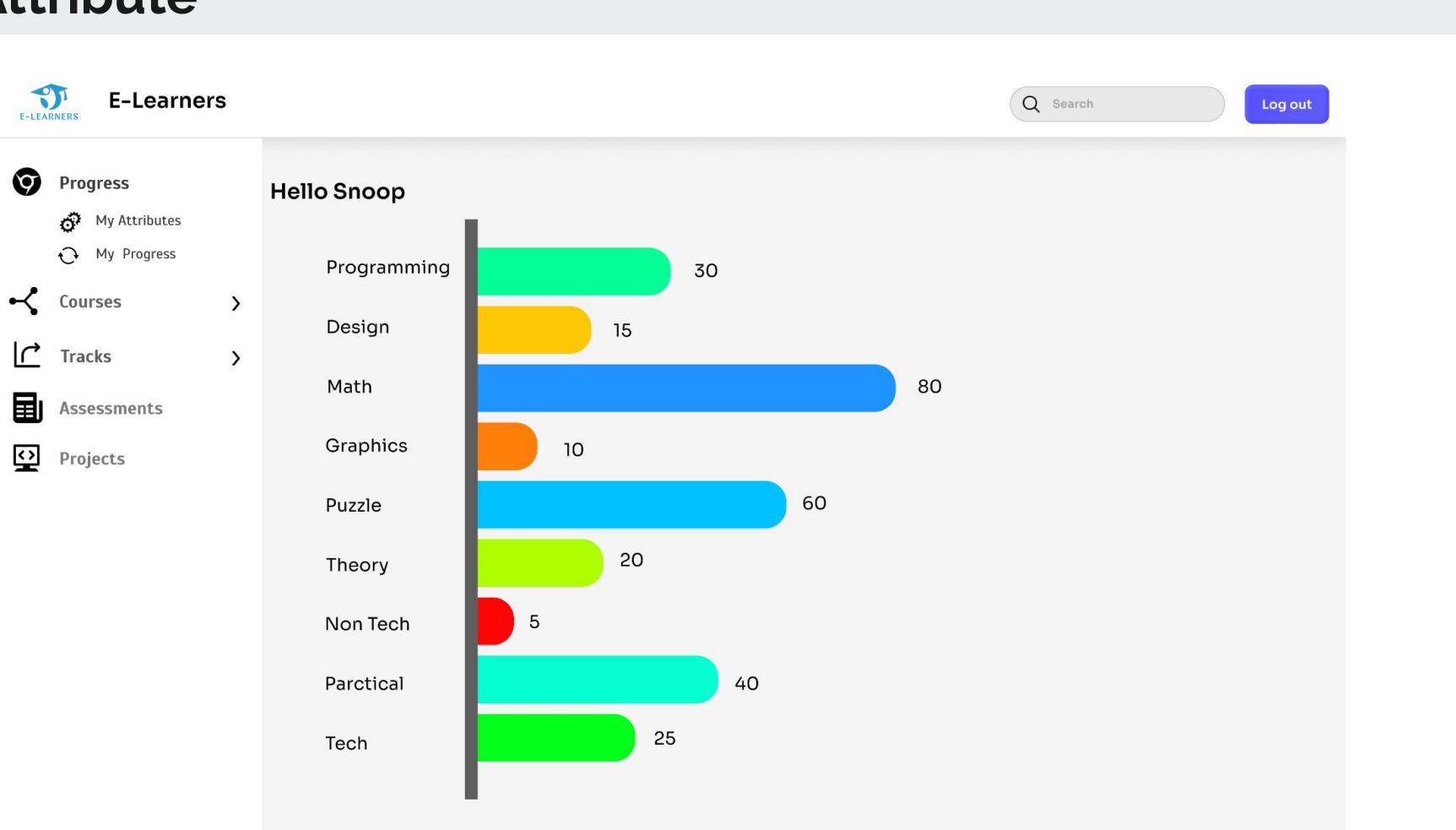
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Assessments



Projects



Career Track: Enrolled



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Progress

My Attributes
My Progress

Courses

Career Track

Web Development with Python

Switch Track

⌚ 100 hr 🎥 110 videos ★ 4.8 < > 20 Exercises

Tracks

Assessments

Projects

Learn HTML and CSS

50%

Learn how to use HTML to create website content. Use CSS to create beautifully styled sites. Learn how to take advantage of Bootstrap to quickly style sites.

Enrolled

Learn JavaScript

0%

Use Javascript to interact with sites on the Front-End. Learn how to use jQuery to quickly work with the DOM. Understand HTTP requests.

Course: Start



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My Attributes
My Progress

Courses



Tracks



Assessments

Projects

Course

Introduction to Data Science in Python

Start Course

4 hr 11 videos ★ 4.5 < > 3 Exercises

1. Getting Started in Python

0%



Welcome to the wonderful world of Data Analysis in Python! In this chapter, you'll learn the basics of Python syntax, load your first Python modules, and use functions to get a suspect list for the kidnapping of Bayes, DataCamp's prize-winning Golden Retriever.

Continue Section

2. Loading Data in pandas

0%



In this chapter, you'll learn a powerful Python library: pandas. pandas lets you read, modify, and search tabular datasets (like spreadsheets and database tables). You'll examine credit card records for the suspects and see if any of them made suspicious purchases.

Continue Section

Assessment: MCQ



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Progress



My Attributes



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Courses



Tracks



Assessments



Projects

C++ Input Output Quiz

1

What is a correct syntax to output "Hello World" in C++?

print("hello world")

cout << "hello world";

System.out.print("hello world")

Sys.printLine("hello world")

2

What is a correct syntax to output "Hello World" in C++?

print("hello world")

cout << "hello world";

System.out.print("hello world")

Sys.printLine("hello world")

3

What is a correct syntax to output "Hello World" in C++?

print("hello world")

cout << "hello world";

System.out.print("hello world")

Sys.printLine("hello world")

4

What is a correct syntax to output "Hello World" in C++?

print("hello world")

cout << "hello world";

System.out.print("hello world")

Sys.printLine("hello world")

Assessment: General



← Course Outline →

Exercise

Visual EDA

The Numerical EDA you did in the previous exercise gave you some very important information, such as the names and data types of the columns, and the dimensions of the DataFrame. Following this with some visual EDA will give you an even better understanding of the data. In the video, Hugo used the scatter_matrix() function on the Iris data for this purpose. However, you may have noticed in the previous exercise that all the features in this dataset are binary; that is, they are either 0 or 1. So a different type of plot would be more useful here, such as Seaborn's countplot.

- Satellite
- Missile
- Both
- None

Take Hint

Upload file

Submit

Materials:

- [EDA.pdf](#)
- [EDA.mp4](#)

Helpful link:

- [seaborn](#)
- [kaggle](#)

Numerical EDA

```
1. plt.figure()
2. sns.countplot(x='education', hue='party', data=df, palette='RdBu')
3. plt.xticks([0,1], ['No', 'Yes'])
4. plt.show()
5.
```

Run

Course Outline



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← Course Outline →

Exercise

Visual EDA

The Numerical EDA you did in the previous exercise gave you important information, such as the names and data types, and the dimensions of the DataFrame. Following this we will give you an even better understanding of the data. We used the scatter_matrix() function on the Iris data for this. You may have noticed in the previous exercise that all the dataset are binary; that is, they are either 0 or 1. So a different approach would be more useful here, such as Seaborn's countplot.

- Satellite
- Missile
- Both
- None

Materials:

- [EDA.pdf](#)
- [EDA.mp4](#)

Helpful link:

- [seaborn](#)
- [kaggle](#)

Title

Intro Video

Section: Input Output

Input Output Materials

Input output Video

Input output Exercise

Section: Input Output

Loops Slides

Loops video

Take Hint

Upload file

Submit

Run

Course Materials: Video



Visual EDA

The Numerical EDA is important in EDA. The dimensions and the dimensions will give you an idea of what you may have used the statechart. The dataset are the ones that would be most useful.

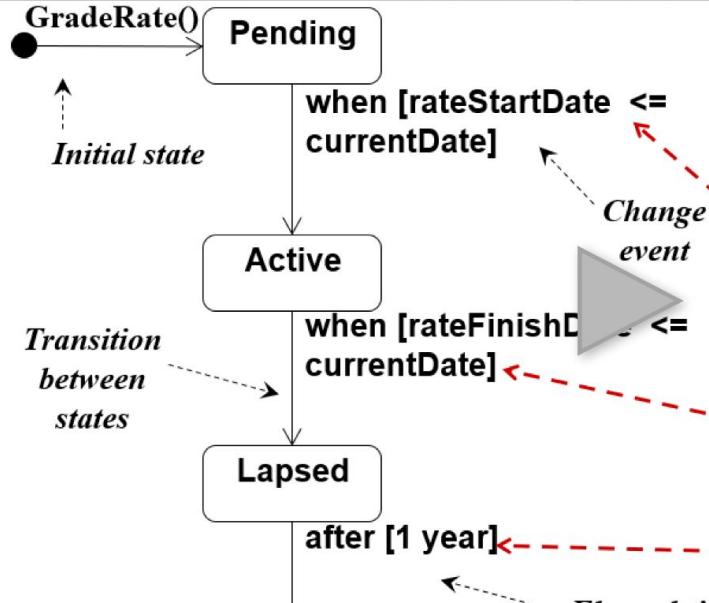
- Satellite
- Missile
- Both
- None

Materials:

- EDA.pdf
- EDA.m

Helpful links:

- [seaborn](#)
- [kaggle](#)



Statechart for the class **GradeRate**



Project: Before Enrollment



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Progress

My Attributes

My Progress



Courses

Project Chat app Using Socket Programming

Implementation of basic chat app using socket programming

[Enroll now](#)



Tracks



Assessments



Projects

Project Description

Implementation of basic chat app using socket programming

Technology

C++
Python
Java
Socket Programming

Tasks	Weight
Server for multi client	20
Client to Client chat	40
Group Chat	40

Prerequisites

- [C++ Basics](#)
- [Introduction to Python](#)
- [Java Basics](#)
- [Socket Programming](#)

Project: Enrolled



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Project Instruction

Tasks

1

Tasks

2

Tasks

3

Task 1: Instrucion

- Create server thread for accepting client
- Create Structure to store client Info

Materials:

- [Socket.pdf](#)
- [Socket.mp4](#)

Helpful link:

- [Socket_programmig.org](#)
- [edu.com/Socket_in_Python](#)

Take Hint

Chat app using socket programmig

```
1. from socket import AF_INET, socket, SOCK_STREAM
2. from threading import Thread
3. import json
4. import time
5.
6. sockets = {}
7. buffer = 1024
8. server_socket = socket(AF_INET, SOCK_STREAM)
9. server_socket.bind(("127.0.0.1", 2022))
10.
11.
12. def AcceptUserConnection():
13.     while True:
14.         c, addr = server_socket.accept()
15.         Thread(target=ClientThread, args=(c, addr)).start()
16.
17.
18. def ClientThread(c, addr):
19.     // write your code here
20.
21.
22. if __name__ == "__main__":
23.     server_socket.listen(5)
24.     print("Running...")
25.     x = Thread(target=AcceptUserConnection)
26.     x.start()
27.     x.join()
28.     server_socket.close()
```

Build

Run

Submit

[Previous Task](#)

[Next Task](#)

Free Time Slots



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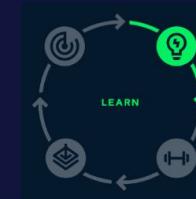
My Progress



Courses

Add Your Free Time Period

Your Career Track or courses will be scheduled according to your free time slots. You can add or remove free time slot any time, your schedule will be updated accordingly.



Update Schedule

Reset Schedule



Tracks

Free Time Slots

From	To	Duration
17 Jan, 2022	29 Jan, 2022	12 days
12 Mar, 2022	24 Mar, 2022	12 days
21 Aug, 2022	28 Aug, 2022	7 days
15 Dec, 2022	25 Dec, 2022	10 days

Add New
Free Slots



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Explore Career Tracks

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Create New
Course



Create New
Career Track



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Project



Explore and Modify

Courses

C++ Programming

Explore

Integration

Explore

CSS

Explore

See All

Career Tracks

Web Development

Explore

Algorithms

Explore

Design

Explore

See All

Admin Create Course



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Search

Log out

Course Intro

Course Title

Description

Add Intro Video

Add

Duration

Select Level

Beginer ▾

Select Subject

Programming ▾

Poster

Add

Create Section

Section Title

Description

Add Video

Add

Add Materials

Add

Create Assessment

Create

Section Type

Mandatory ▾

Save This Section

Create New

Section



Admin Create Course -> Create Assessment



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Create Assessment

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Quiz

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Coding Assignment

Admin Create Course -> Create Assessment -> Quiz Intro



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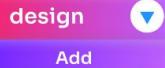
Quiz Intro

Name

Description

Attributes:

#programming



Add

Level:

Beginner



programming

Save

Add New
Question

Select Type

Written



Save this Quiz

Admin Create Course -> Create Assessment -> Quiz Add Question



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C++ Basics Quiz 1

Attributes: #programming

Level: Beginner

Edit Quiz Intro

Add New
Question

Select Type

MCQ



- Submision
- Written
- MCQ

Save this Quiz



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C++ Basics Quiz 1

Attributes: #programming

Level: Beginner

Edit Quiz Intro

MCQ

Question

Option

1.

2.

3.

4.

Answer

programming

Save This Question

Add New
Question

Select Type

Written



Save this Quiz

Admin Create Course -> Create Assessment -> Quiz Question Added Written



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Quiz

1. What is a correct syntax to output "Hello World" in C++?
 1. print("hello world")
 2. System.out.print("hello world")
 3. cout << "hello world";
 4. Sys.printLine("hello world")

Answer: 3

Edit This Question

Written

Question

Instruction About Answer (Optional)

Save This Question

Add New
Question

Select Type

MCQ



Save this Quiz

Admin Create Course -> Create Assessment -> Coding Assignment Intro



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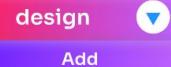
Coding Assingment Intro

Name

Instruction

Attributes:

#programming



Level:

Beginner



Materials

Add

Helpful Link

Geeksforgeeks.com/socket

Edit

Add

Hints

Add

API/Language:

GCC



Save Assignment

Admin Create Course -> Create Career Track

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Explore Career Tracks

Career Track Intro

Career Track Title

Description

Add Intro Video **Add** Duration

Select Level **Beginner** Select Subject **Programming**

Poster **Add**

Create New Courses 

Admin Create Course -> Create Career Track: Add Course

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Select Courses

Filter

- Programming
- Math
- Desing
- Algorithm
- Web Design
- Cpp

Search

Selected Course	Order
C++ Basics	2
C Programming	1
Java OOP	
C++ OOP	3

Save This Career Track

C Programming Added

C++ Basics Add

Java Basics Add

Java OOP Add

C++ OOP Add

Java Advance Add

Java Advance Add

Admin Home page -> Explore Courses

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C++ Basics Edit



In this course you will learn basic C++ syntax, loops, input , output, basic C++ library, condition, function, recursion function.

Edit

Level: Beginner

4 hours 11 Videos 57 Exercises 4,240,303 Participants 4,700 XP

Title	Attempted/Finished	
Intro Video	1.1k/1k	Edit
Section: Input Output		Edit
Input Output Materials	1k/0.9k	Edit
Input output Video	0.9k/0.89k	Edit
Input output Exercize	0.89k/0.85k	Edit
Section: Input Output		Edit
Loops Slides	0.85k/0.8k	Edit
Loops video	0.8k/0.75k	Edit

Admin-> Edit Course Section



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Edit Section

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Explore Career Tracks

Section Title

Input Output

Description

Create Assessment

Modify

Section Type

Mandatory



Videos

Input.mp4

Remove

Output.mp4

Remove

Add More videos

Add Materials

Input_output.pdf

Remove

Add More Materials

Save This Section

Admin Home page -> Explore Courses -> customize Quiz



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- Explore Courses**
- Explore Career Tracks

C++ Basics Final Quiz

1.

Question

What is a correct syntax to output "Hello World" in C++?

Option

1. print("hello world")

2. System.out.print("hello world")

3. cout << "hello world";

4. sys.writeline (" hello world");

Answer

3

Save This Question

2.

Question

How do you insert COMMENTS in C++ code?

Instruction About Answer (Optional)

Save This Question

Admin Create Project



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Projects

Project Intro

Project Title

Subtitle

Description

Add Intro Video

Add

Duration

Select Level

Beginer ▾

Select Subject

Programming ▾

Poster

Add

Prerequisites

[GeeksforGeeks.com/socket](https://geeksforgeeks.com/socket)

Edit

Add

Technology

#SQL Python ▾

Add

Create New
Task



Admin Create Project -> Create Task



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Projects

Project Task

Name

Instruction

Attributes:

#programming



Level:

Beginner



Materials

Add

Helpful Link

Geeksforgeeks.com/socket

Edit

Add

Hints

Add

API/Language:

GCC



Save Task

Admin -> Recommendation Quiz



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Recommendation Quiz

Recommendation Quiz Questions

Question

Options	Attributes	
Solve problem	math	Edit
Visualization	design	Edit
<input type="text"/>	Math ▾ Add	Save

Save This Career Track

Create New
Question





Sequence: User + Admin

1. Home page(not logged in)
2. Home page(logged in)
3. Home page (not enrolled in course)
4. Quiz
5. Find a course
6. Attribute
7. My Progress
8. Career Track: Enrolled, Switch track
9. Course: Start, Enrolled, Completed
10. Assessment:
11. Project: Overview, Enrolled

