



Information
Technology
Institute

Online Examination System
BI Track
Supervised By: Eng.Rami

Our Team



Mansoura Branch



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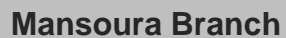
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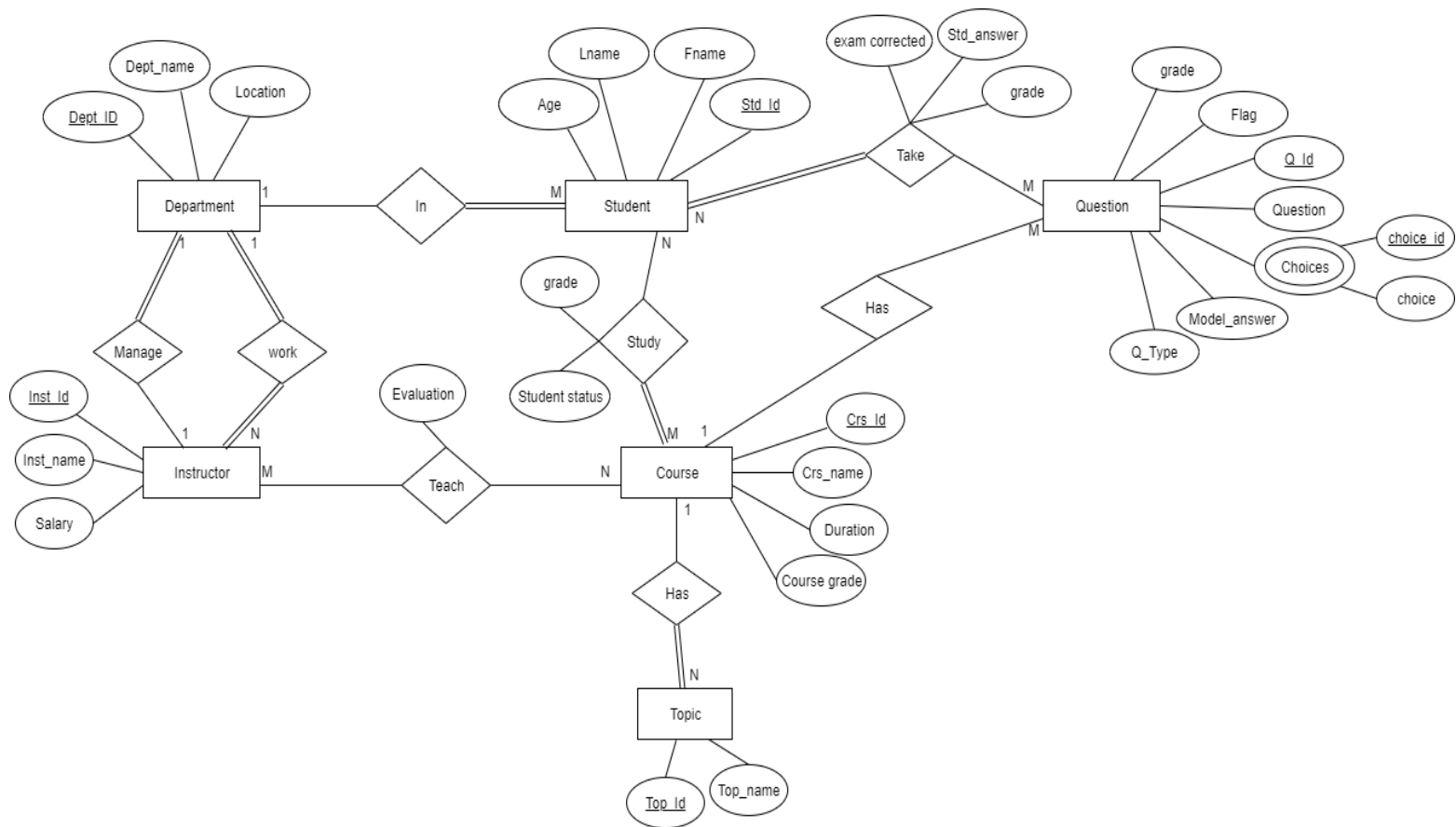
Online Examination System

- 1) ERD
- 2) Database Diagram
- 3) Stored Procedures
- 4) Desktop App
- 5) SSRS
- 6) Dashboard screenshots





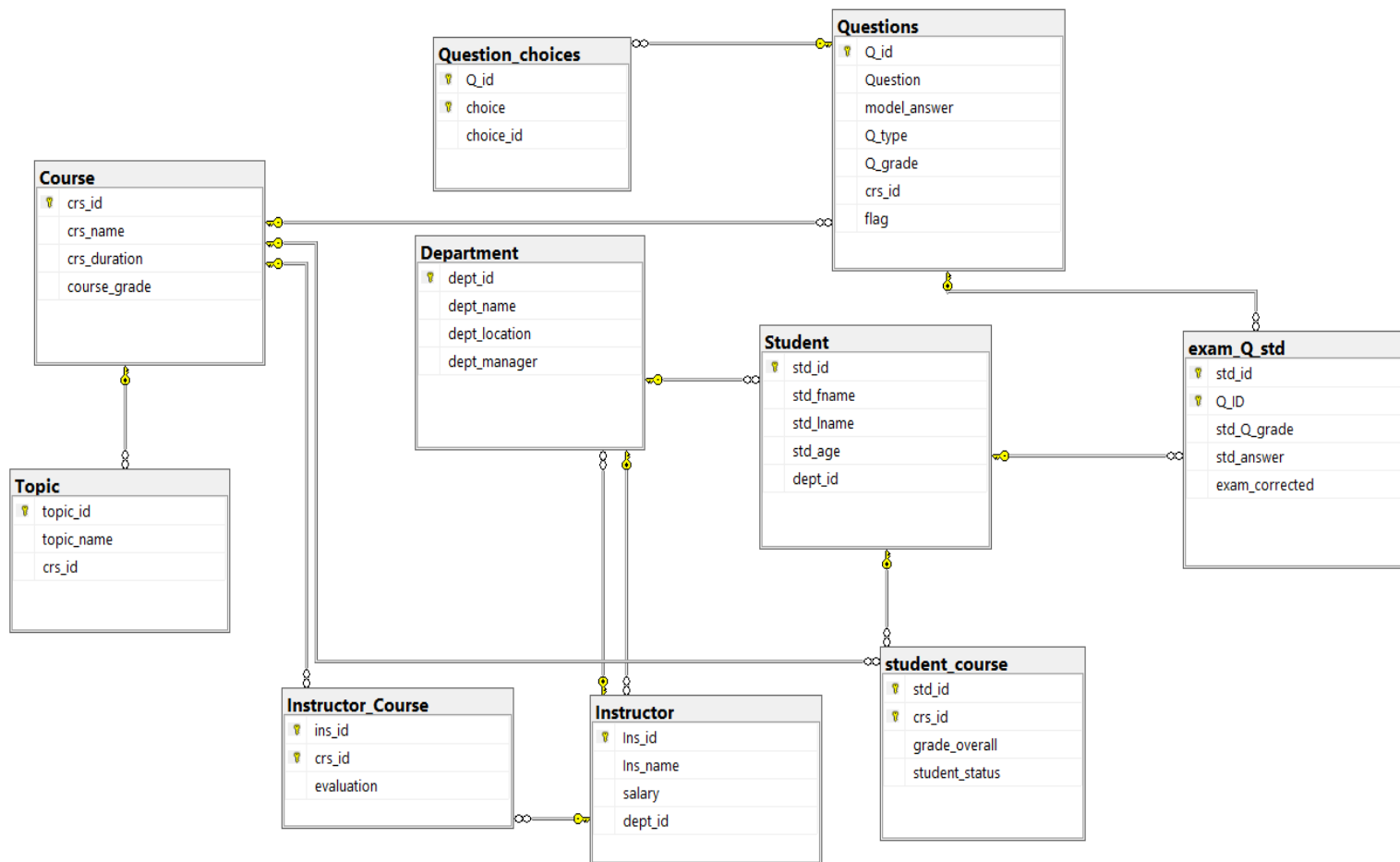
ERD





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Database Diagram



Stored Procedure:



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- Generating Exams
- Answering Exams
- Correcting Exams

Generating Exams:



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Input : Student ID , Course ID

Process : First check if student examined before or no? then select random 10 questions with the input conditions.

Output : Generates the Exam and inserts it with its duration in the Question table

Answering Exams:



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Input : Student ID.

Process : Gets the Questions with answer student ,
course name of the Exam. If didn't have that , Print
('this student did not take any exam (no questions))

Output : Inserts the student's answer with
the question ID, and student ID in the
exam_Q_std table.

Correcting Exams:

Input : Student ID , Course ID

Process : Gets each Question ID with its grade, model answer and the student's answer then compares them.

Inserts the student grade on each answer and mark the exam as corrected.

There is an extra procedure that execute for reports.



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Application Design



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Login Form:

Form1



Examination System



Sign In

Student ID :

Course ID :

Generate Exam

Show Results



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Exam Questions Form:

Form2

MCQ

Which is the smallest unit of storage in an Oracle database?

☒ Data Block

☐ Data File

☐ Extent

☐ Segment

Back *Submit*

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Correction of exam Questions Form:

Form4

	Question	std_answer	model_answer	std_Q_grade
▶	NU ____ is used to find and fix bugs in t...	JDB	JDB	5
	Which method of the Class.class is used...	getName()	getName()	5
	int x[] = new int[] {10,20,30}; A...	True	True	5
	In an instance method or a constructor, ...	True	True	5
	Garbage Collection is manual process.	False	False	5
	What is the return type of the hashCode...	int	Int	5
	Which of the following tool is used to g...	javadoc tool	Javadoc tool	5
	Which package contains the Random cl...	java.util package	java.util package	5

your grade : 50

Exit

Show Result



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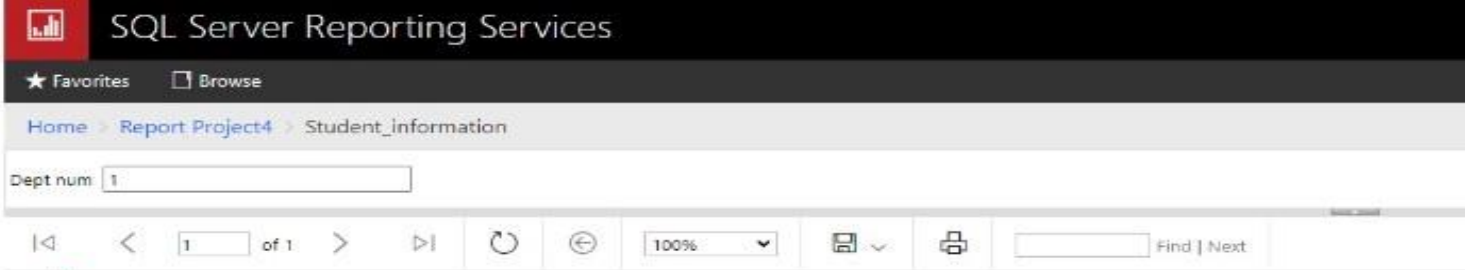


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Reports

SSRS:

- Report that return Student Information according to Department number.




SQL Server Reporting Services

★ Favorites □ Browse

Home > Report Project4 > Student_information

Dept num

Navigation: < 1 of 1 > Refresh Previous 100% Save Print Find | Next

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Student_information

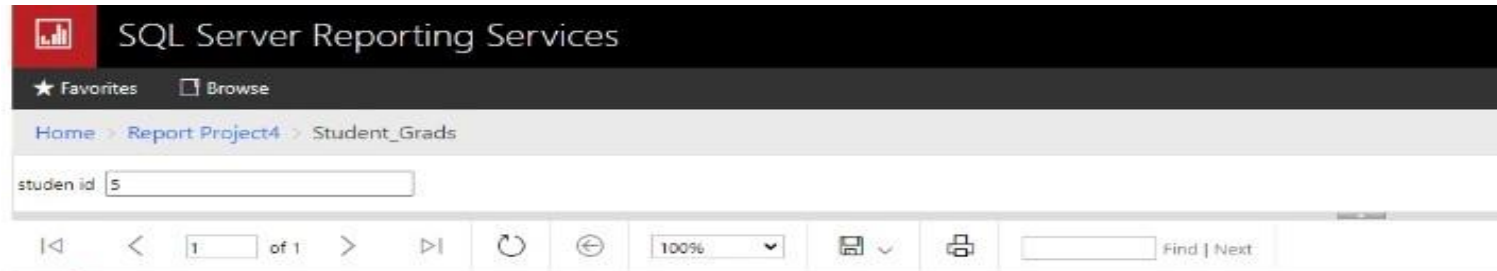
std id	std fname	std lname	std age
1	Ahmed	khaled	23
2	Mona	Ali	24
3	Mostafa	Ibrahim	25
4	Noran	Sherif	20
5	habiba	Khaled	20
6	Amira	Fayez	23
7	Khaled	Haaz	26
8	Sosar	Ali	22
9	Menna	Hany	25
10	Sara	Hany	26



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SSRS:

- Report that takes Student id and return the grades of the student in all courses.



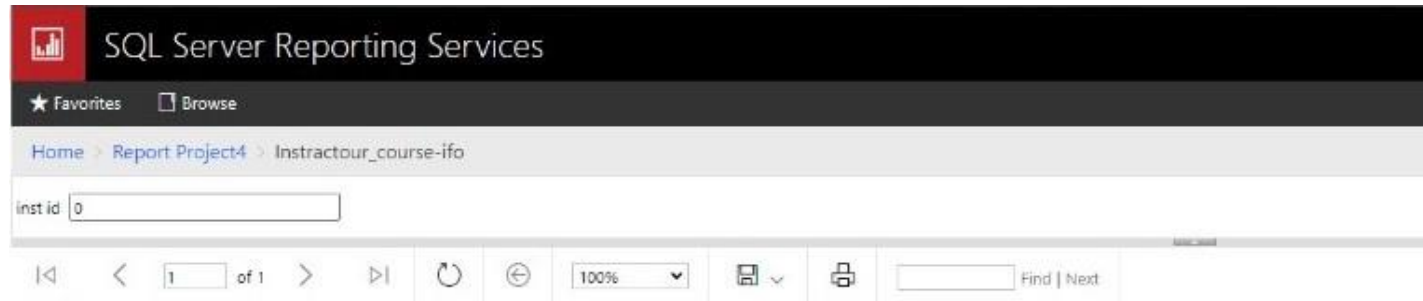
Student_Grads

Student Name habiba Khaled
:

crs name	grade overall	student status	course grade
sql	45	no exam yet	50
oracle	0	no exam yet	50
java	0	no exam yet	50
c#	0	no exam yet	50
python	0	no exam yet	50
statistics course	0	no exam yet	50

SSRS:

- Report that takes Instructor id and returns the name the courses that he teaches and the number of student per course.



The screenshot shows the SSRS web portal. The breadcrumb trail is 'Home > Report Project4 > Instructour_course-ifo'. Below the breadcrumb, there is a text box labeled 'inst id' with the value '0' entered. The report viewer toolbar at the bottom shows navigation controls, a page indicator '1 of 1', a refresh button, a back button, a zoom level of '100%', and buttons for save, print, and find/next.



Instructour_course

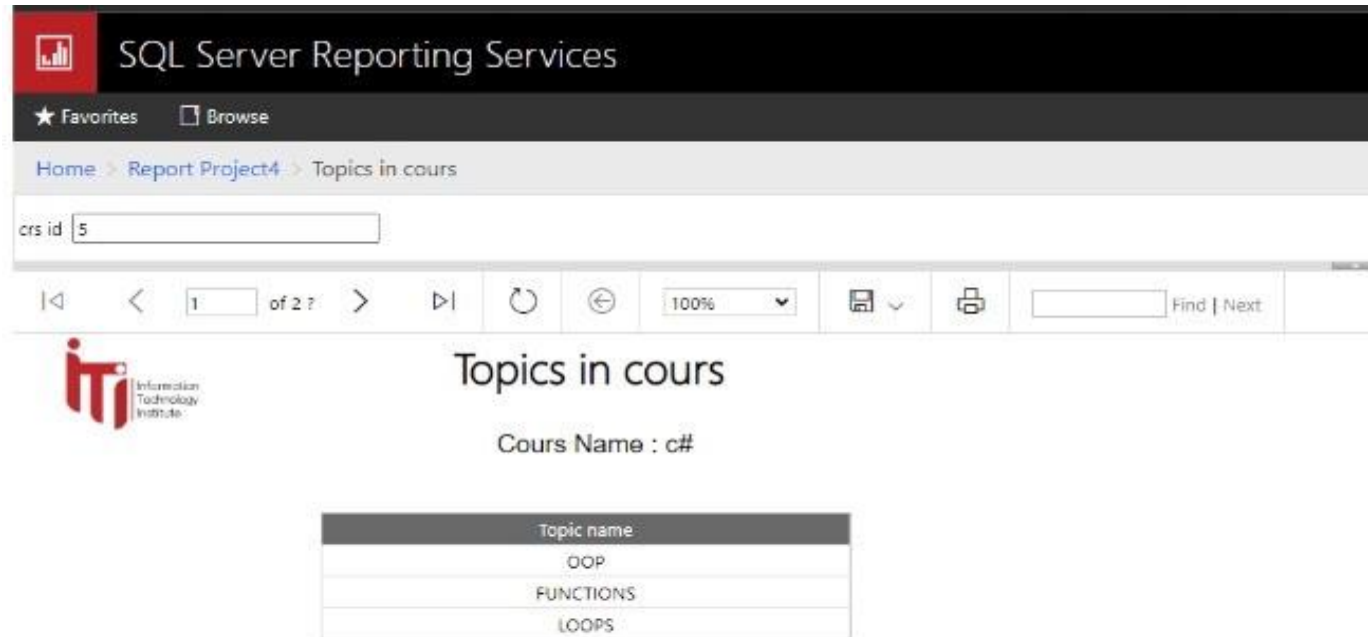
ins id	ins name	crs name	number of student
4	Habiba Khaled	big data	10
11	Besher Khaeld	c#	5
11	Besher Khaeld	c++	5
21	Sohila	ccna	10
21	Sohila	ccnb	10
21	Sohila	ccne	10
6	Amira Fayez	java	11
7	Mostafa Ibrahim	javascript	11
5	Noran Sherif	mysql	11
8	saleh khaled	oracle	10
2	Mona Ahmed	python	10
1	Ahmed Ali	sql	10
3	Sara Ahmed	statistics course	10



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SSRS:

- Report that takes Course id and returns its topics.



The screenshot shows the SQL Server Reporting Services (SSRS) web interface. The title bar reads 'SQL Server Reporting Services'. Below it, there are links for 'Favorites' and 'Browse'. The breadcrumb navigation shows 'Home > Report Project4 > Topics in cours'. A search box labeled 'crs id' contains the value '5'. The report viewer shows a table titled 'Topics in cours' with the following data:

Topic name
OOP
FUNCTIONS
LOOPS



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Course Name

All



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Departments

10

Instructors

23

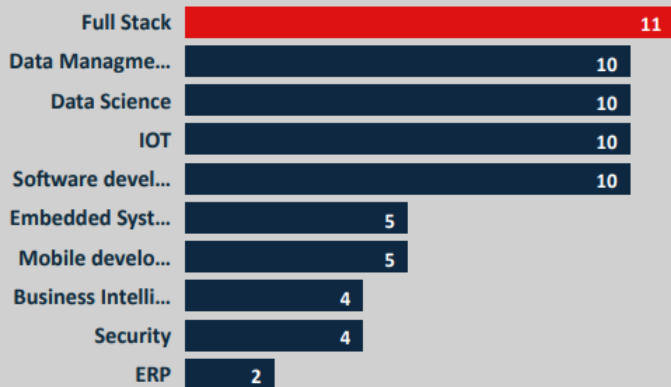
Students

71

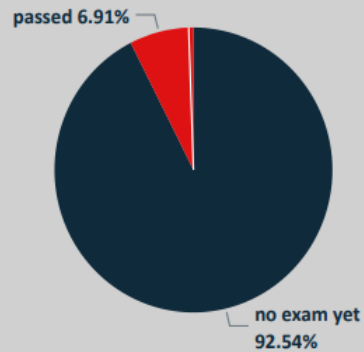
Courses

13

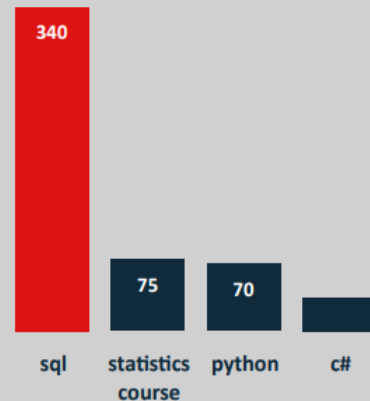
Number of students per department



Student Status

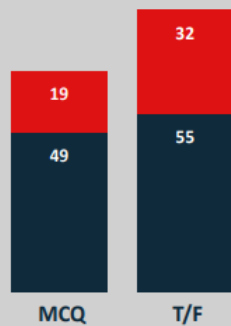


Top Grades per Course

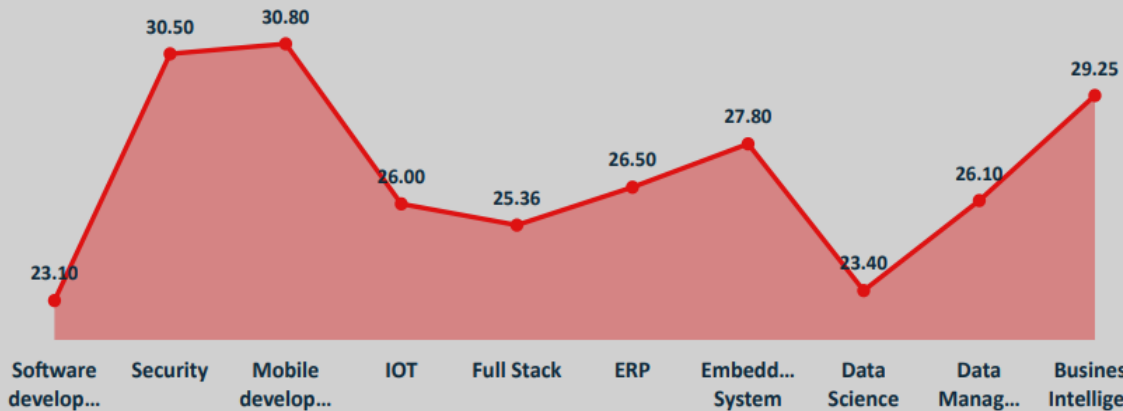


Stdens Answers per question type

Answers ● right ● wrong



Avg Age per Department





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Thank you for your attention!😊

**Questions .. ?
Comments .. ?**

