

April 5- Mock Exam - Information Systems

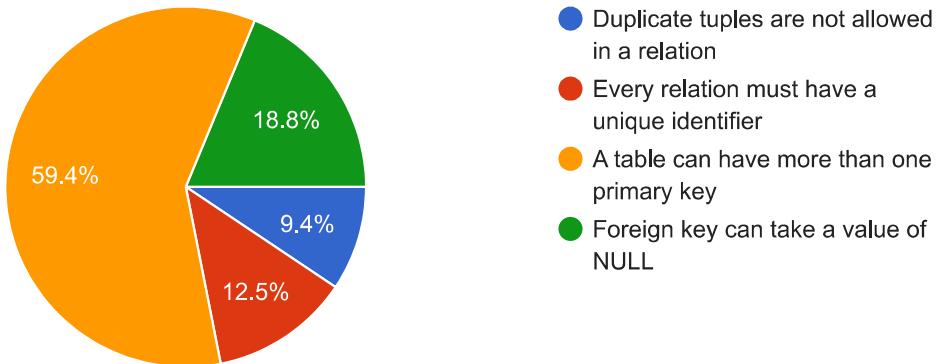
32 responses

Database Systems (Fundamentals and Advanced)

1. For a database designed using relational database, one of the following arguments is not correct.

32 responses

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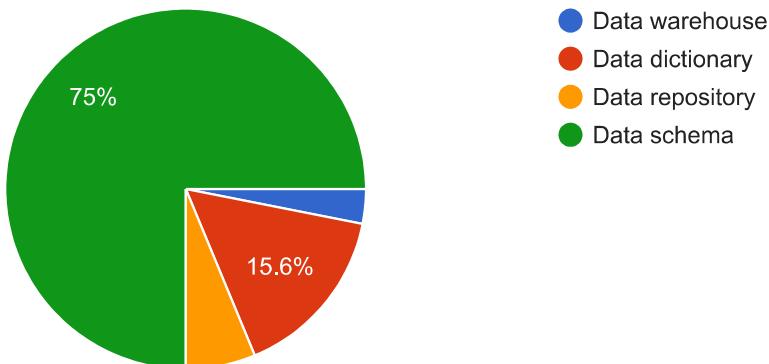


- Duplicate tuples are not allowed in a relation
- Every relation must have a unique identifier
- A table can have more than one primary key
- Foreign key can take a value of NULL

2. Which of the following contains information about the structure of a database?

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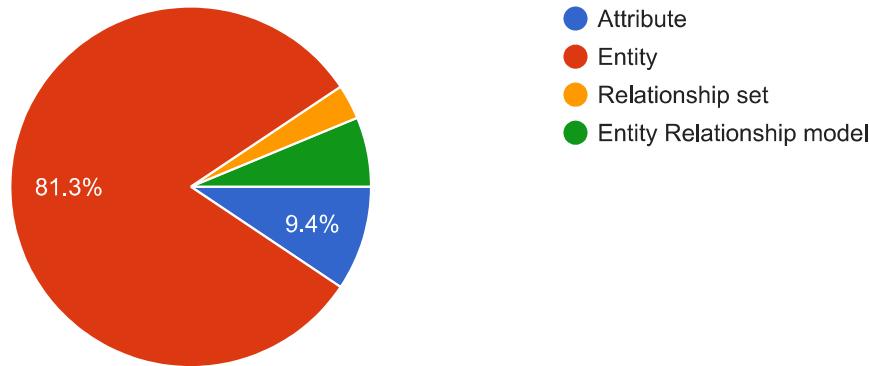


- Data warehouse
- Data dictionary
- Data repository
- Data schema

3. An _____ is a set of objects of the same class that share the same properties.

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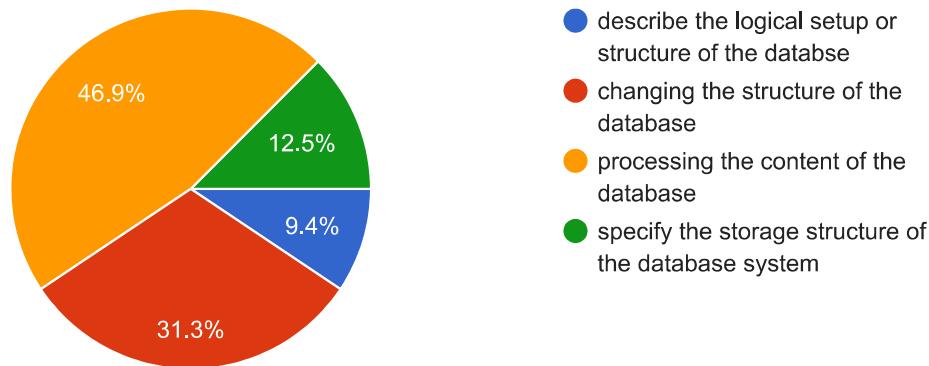


- Attribute
- Entity
- Relationship set
- Entity Relationship model

4. DBMS has three categories of languages and one of this is DML. DML is used for _____

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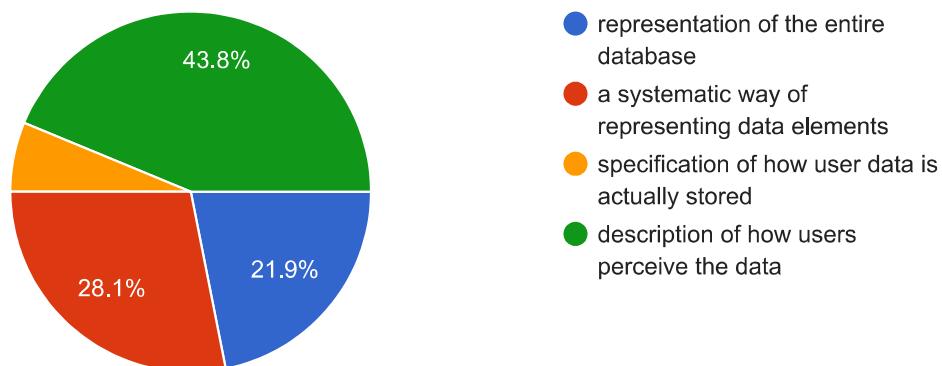


- describe the logical setup or structure of the database
- changing the structure of the database
- processing the content of the database
- specify the storage structure of the database system

5. In relational database system, a conceptual schema is

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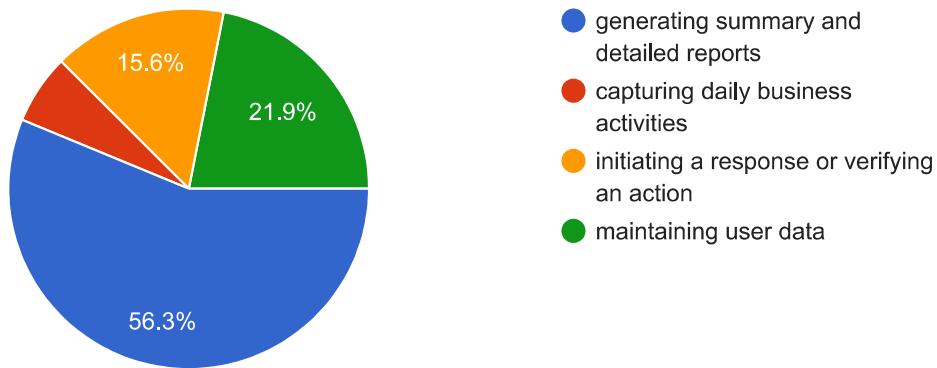


- representation of the entire database
- a systematic way of representing data elements
- specification of how user data is actually stored
- description of how users perceive the data

6. DBMS systems can be made to execute transactions. Transaction processing is a process which does NOT include_____

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generating summary and detailed reports

capturing daily business activities

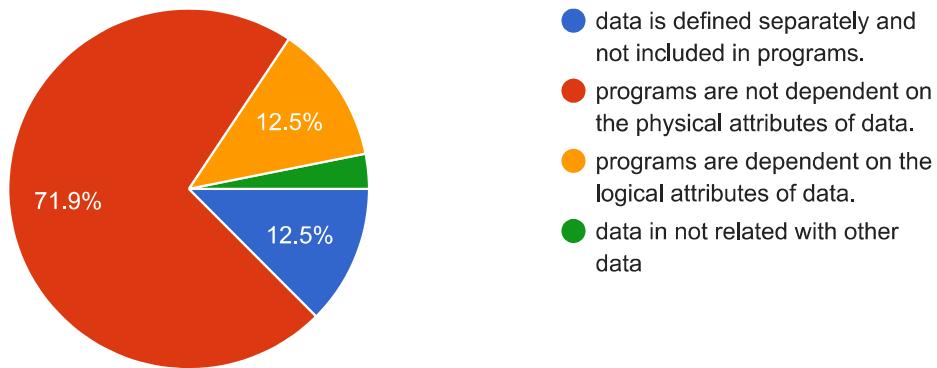
initiating a response or verifying an action

maintaining user data

7. In database systems terminology, "Data Independence" is more described as

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data is defined separately and not included in programs.

programs are not dependent on the physical attributes of data.

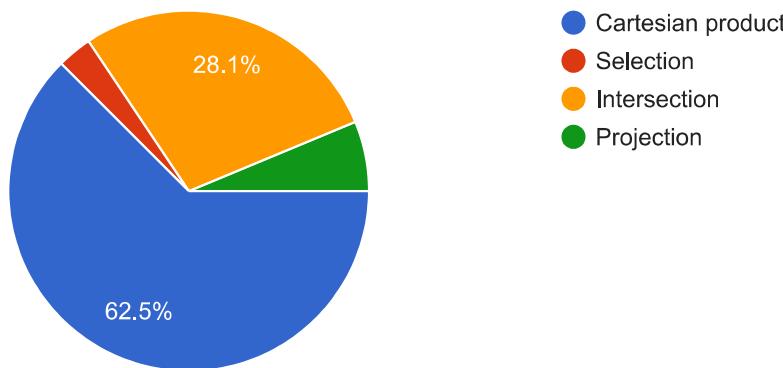
programs are dependent on the logical attributes of data.

data is not related with other data

8. Among the relational algebra operators, _____, is used to produce a result which contains attributes of two or more relations.

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Cartesian product

Selection

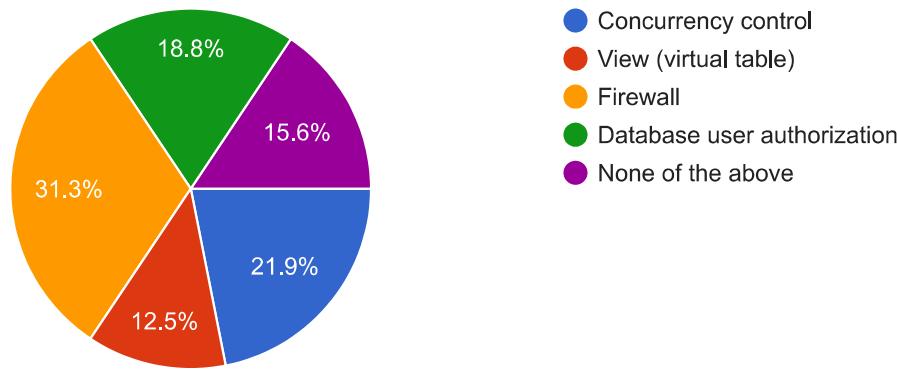
Intersection

Projection

9. One of the following security mechanisms can NOT be enforced without using database management system software:



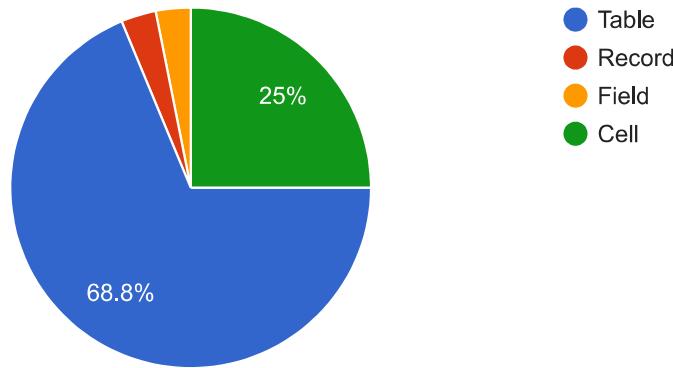
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10. Which name must be unique within a database ?



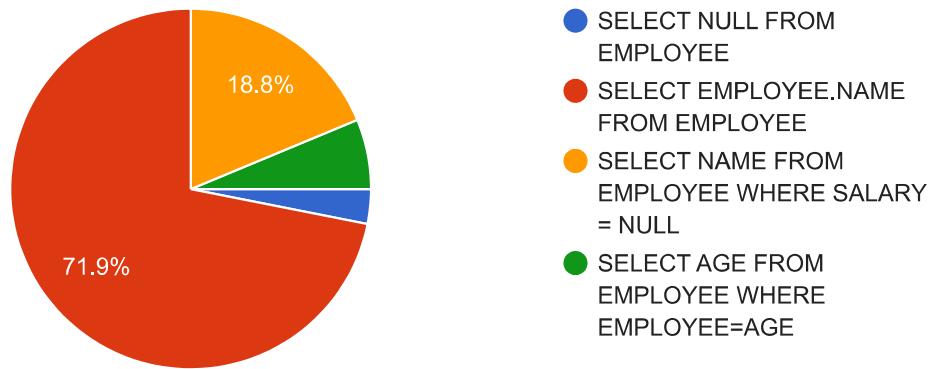
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11. Assuming that there is an Employee table with attributes ID, NAME, SALARY and AGE, where all are mandatory attributes, which of the following is a valid SQL statement?



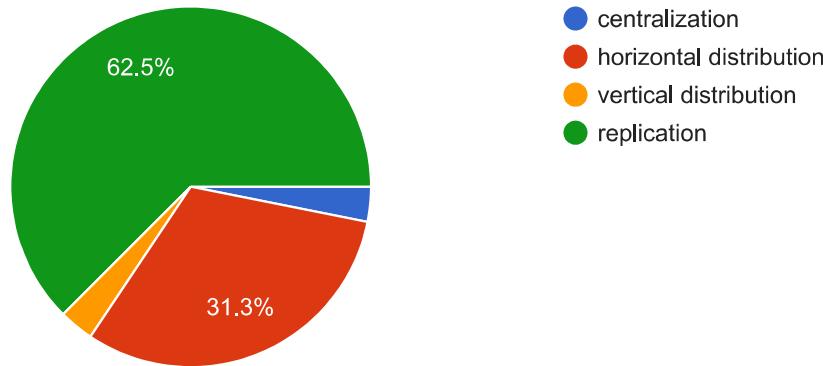
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12. When a table from a database is stored at multiple servers and locations, it is known as:

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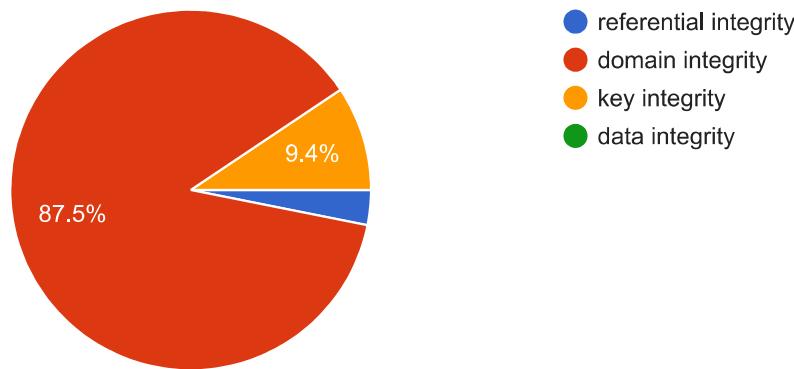
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13. Appropriate controls must be designed to ensure that no field takes on a value that is outside of the range of legal values. This rule is referred as_____.

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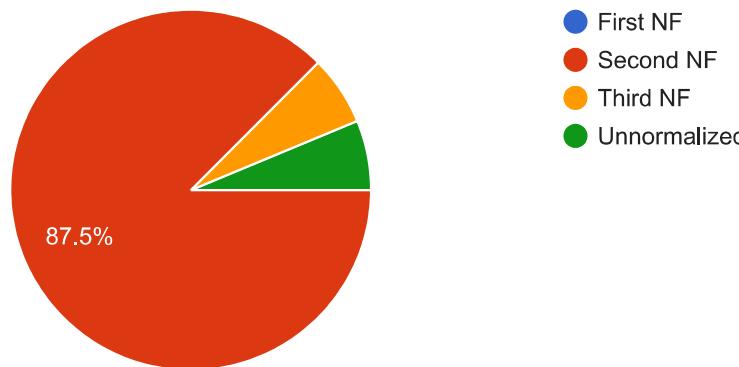
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14. A relation in 1NF and that contains no multivalued attributes, but has non-primary key attributes dependent on part of the primary key is in its:

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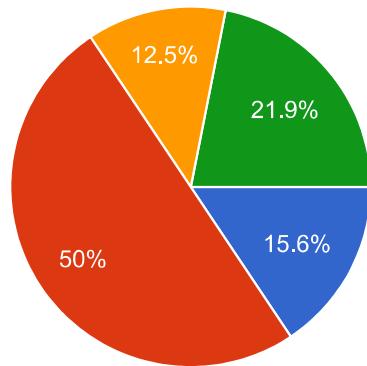


15. If a set of attributes, K, in relation table R is a foreign key on the table

R, then:_____

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- There is another relation schema (say S) with the attributes K where K is a foreign key for S
- Every non-null value of K, appearing in relation R, must also occur as a value for K in S.
- K cannot assume a value of NULL in R
- K is unique in R

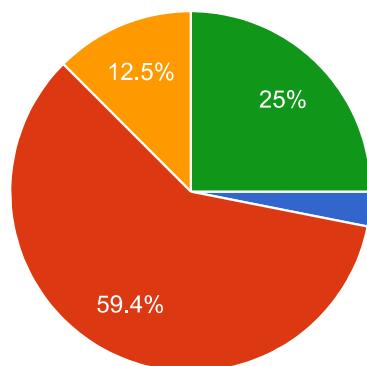
Computer Programming

1. What is the output of the following code fragment?

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```
char fullName[20] = {"Zemzem"};
char name[20] = {"Ashenafi"};
cout<<strcpy(fullName, name);
```

32 responses



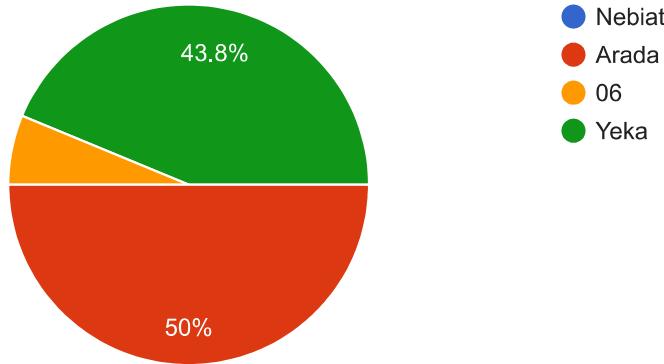
- Zemzem
- Ashenafi
- AshenafiZemzem
- ZemzemAshenafi

Answer the question 2 based on the following code fragment.

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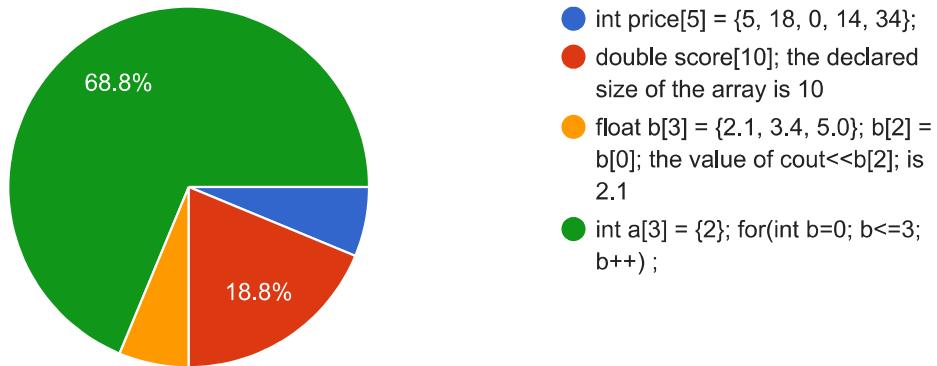
2. What is the output of `cout<<emp1.emp_address.kketema;`

32 responses



3. Which of the following is **incorrect**?

32 responses

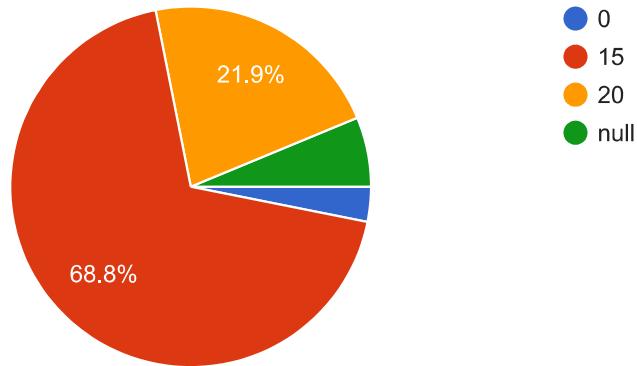


Answer question 4 based on the following code fragment. Assume the code is complete and run correctly.

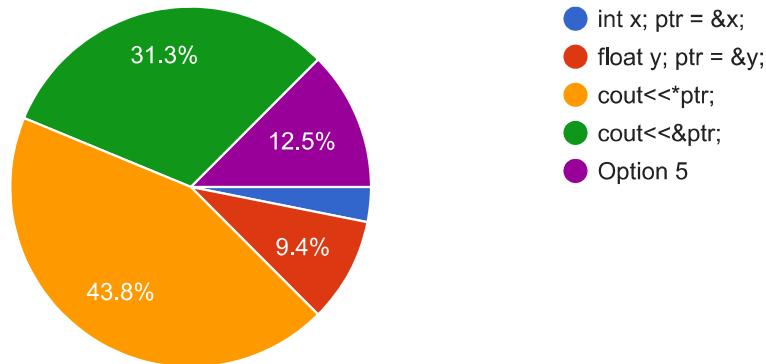
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4. What is the output of line 8?

32 responses

5. Given `void *ptr;` which of the following is illegal in C++?

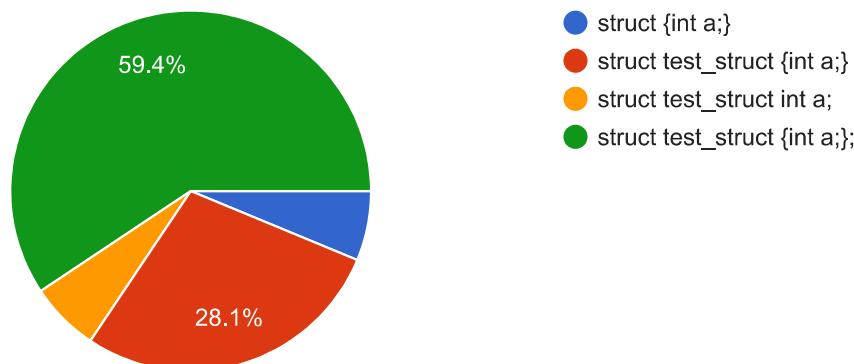
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6. Which of the following is a properly defined structure?

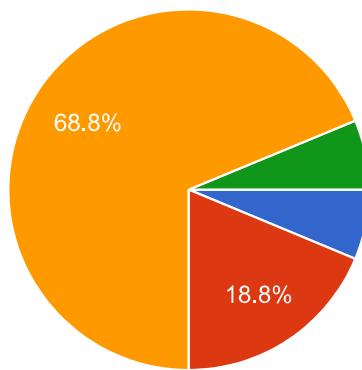
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7. Which of the following is true about the name of a variable/identity? Copy

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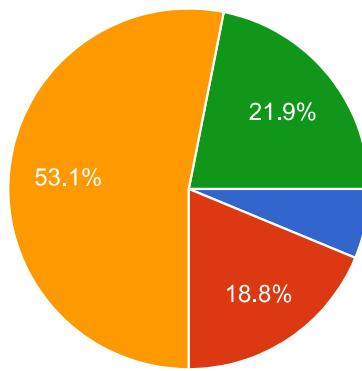


- Keywords/reserved words can be used as variable names
- A variable name can start with a number
- An underscore can be a variable name
- Using descriptive names for variable names doesn't add any value to the clarity and understandability of a program

8. Which one of the following is the correct output of the first cout statement in the following program? Copy

```
#include <iostream>
using namespace std;
int main()
{
    int x=20;
    x+=5;
    x=x-5;
    x++;
    cout<<x++;
    cout<<--x;
    return 0;
}
```

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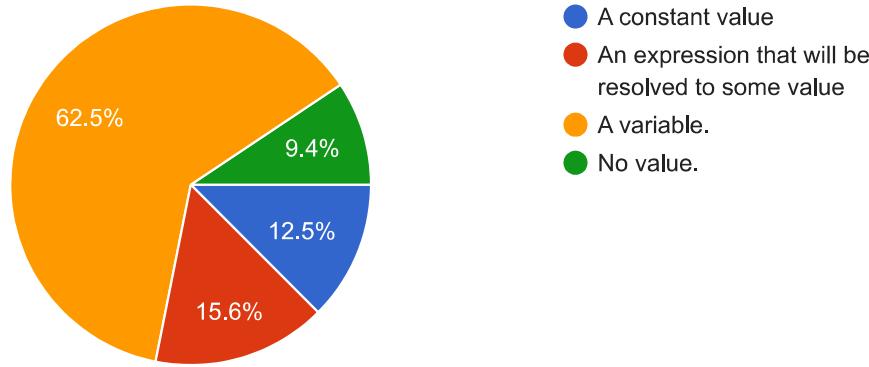


- 19
- 20
- 21
- 22

9. If a function has a call-by-reference parameter, which of the following will be the correct argument in a call to the function?

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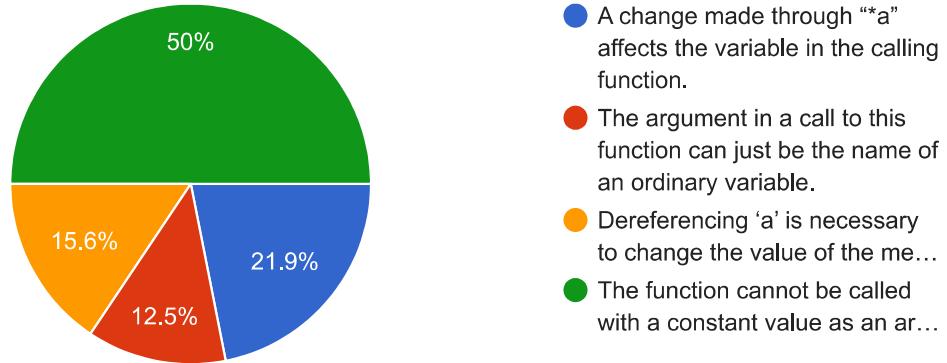


- A constant value
- An expression that will be resolved to some value
- A variable.
- No value.

10. If a function has this parameter (int *a), all of the following will be correct except:

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- A change made through “*a” affects the variable in the calling function.
- The argument in a call to this function can just be the name of an ordinary variable.
- Dereferencing ‘a’ is necessary to change the value of the me...
- The function cannot be called with a constant value as an ar...

 Copy

11. Which one is the correct output of the following program?

```
#include <iostream>

using namespace std;

int main()
{
    float mark=70.0;

    char grade_letter;

    if(mark>=90 && mark<=100)
    {
        grade_letter='A';

        cout<<grade_letter;

    }

    else if(mark>=70 && mark<90)
    {
        grade_letter='B';

        cout<<grade_letter;

    }

    else if(mark>=50 && mark<=70)
    {
        grade_letter='C';

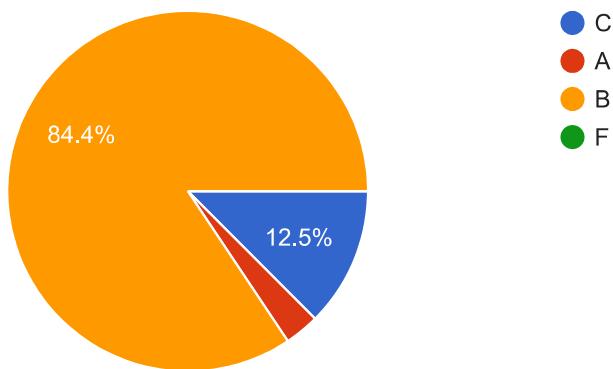
        cout<<grade_letter;

    }

    else
    {
        grade_letter='F';
    }
}
```

```
cout<<grade_letter;  
}  
  
return 0;  
}
```

32 responses



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12. The result of the following program is_____.

```
#include <iostream>

using namespace std;

int main()

{

    for(int i=0;i<5;i++)

    {

        for(int j=i;j<5-i;j++)

        {

            cout<<j+i;

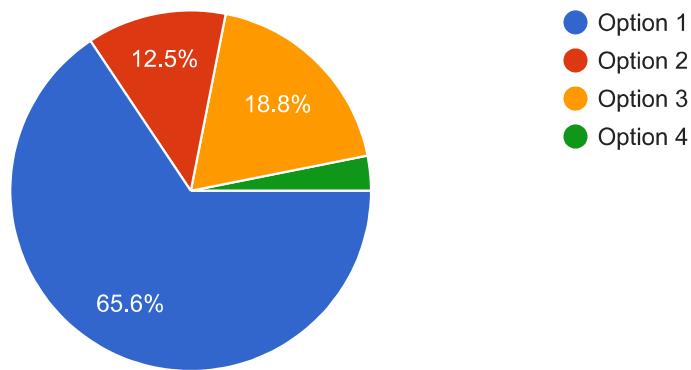
        }

        cout<<endl;

    }

    return 0;
```

32 responses



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13. Which one is the correct output of the program given below?

```
#include <iostream>

using namespace std;

int main()

{

    int i=5;

    do

    {

        i+=100;

        cout<<i<<" ";

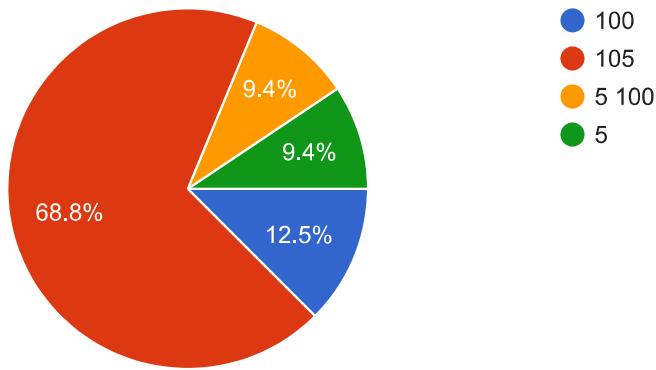
    }

    while(i<5);

    return 0;

}
```

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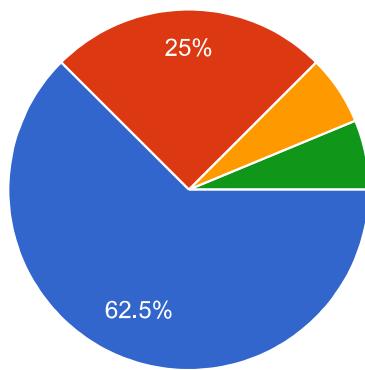


Based on the given code snippet, answer question 14 and 15.

14. Which line of code writes content onto the file `sample.txt`?

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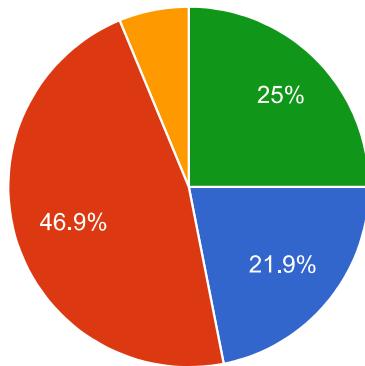


- myfile<<"Abel Mesfin";
- myfile>>" John Alex ";
- myfile<<"Meron Kassa"
- myfile<<Abebe Solomon;

15. Assuming there is a statement `myfile.close()`; immediately after the write to the file above, what is the purpose of the line of code `myfile.close()`?

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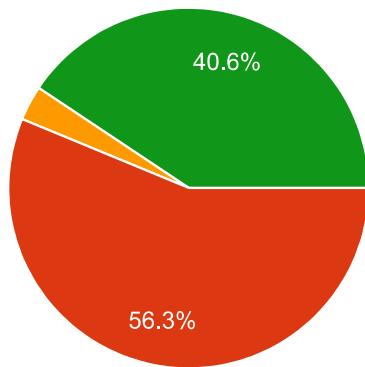
- It detaches the file pointer object myfile from the sample.txt file
- It releases any resources being used by the program
- It updates the file size of sample.txt accordingly
- All of the above

Data Communication and Computer Networks

1. Which of the following is not a component of a computer network?

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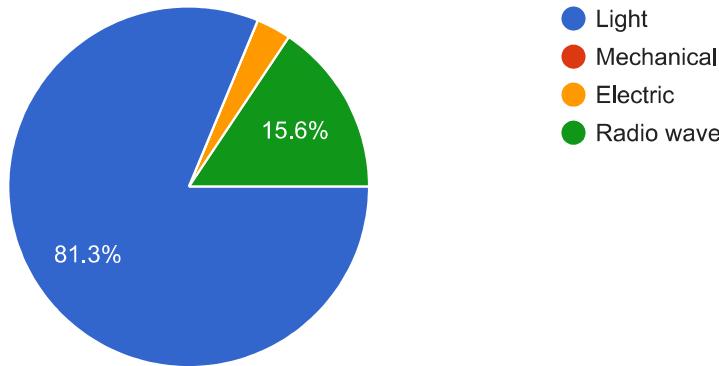


- Network cable
- Operating system
- Network device
- None of the above

2. Which of the following is a form of signal that is transmitted through optical fiber?

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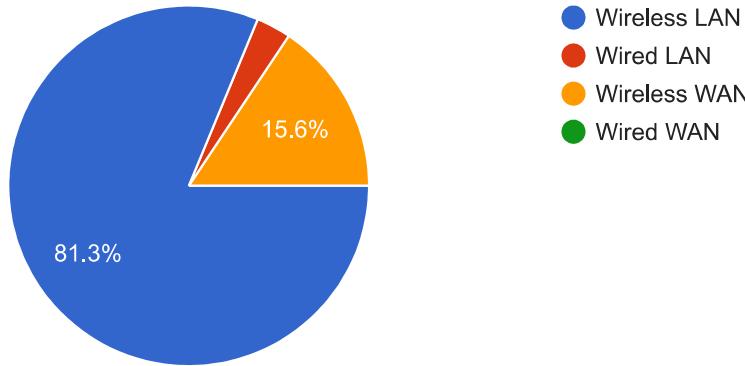


- Light
- Mechanical
- Electric
- Radio wave

3. Which network category includes wi-fi?

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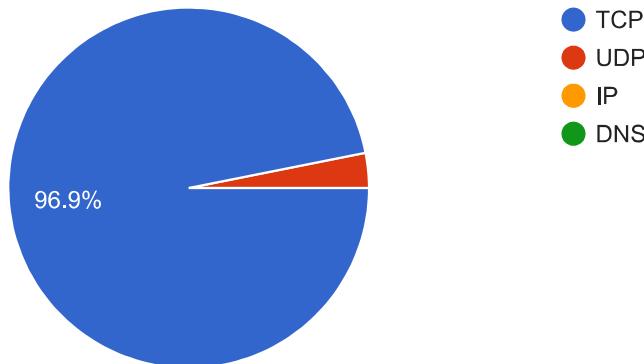


- Wireless LAN
- Wired LAN
- Wireless WAN
- Wired WAN

4. The transport protocol that is used to create end-to-end communication with acknowledgement is

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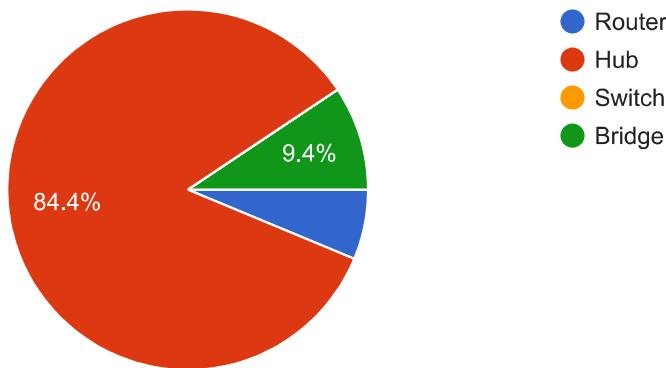


- TCP
- UDP
- IP
- DNS

5. Which of the following network device works at physical layer?

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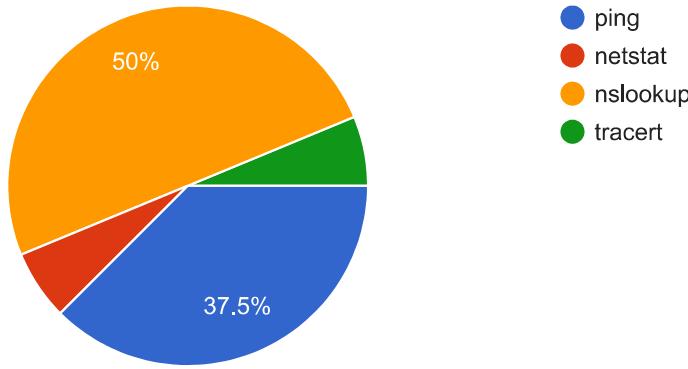
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6. The command used to know the IP address of servers over the internet

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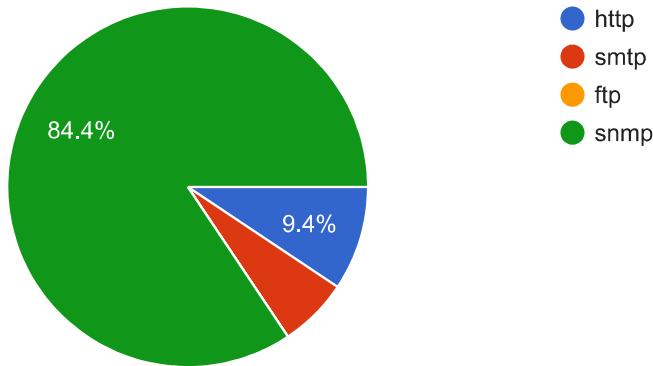
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7. Which of the following does not use tcp as transport protocol?

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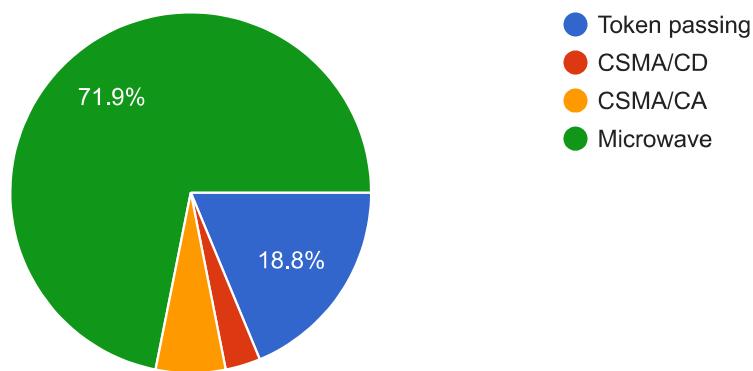
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8. Which of the following is not a media access control method?

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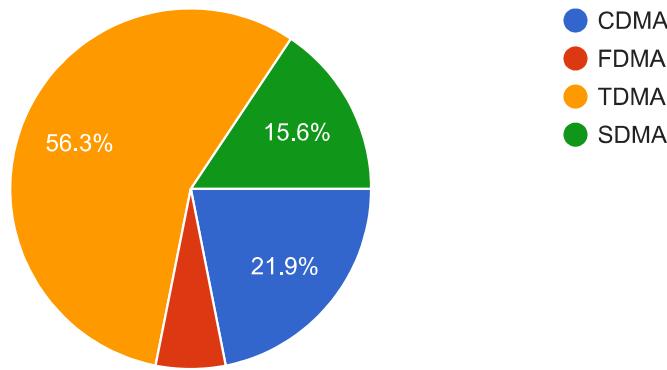


- Token passing
- CSMA/CD
- CSMA/CA
- Microwave

9. Which access method is used by the GSM network?

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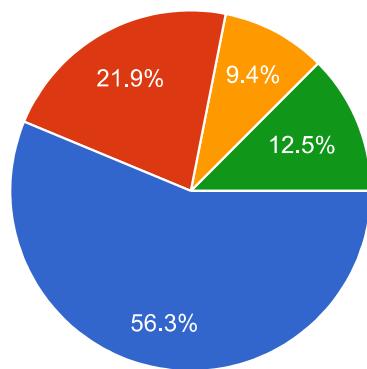


- CDMA
- FDMA
- TDMA
- SDMA

10. Pick the true statement

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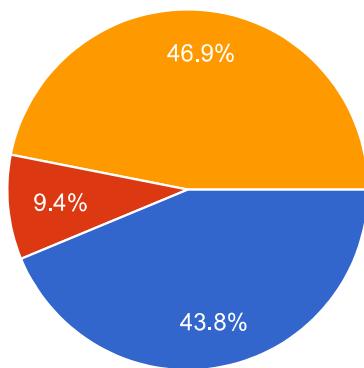
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- Ethernet is a protocol that works at the data link layer
- DHCP helps to map domain names with IP
- Manchester encoding techniques work to encode data from application layer to trans...
- SSH is used to compress data to transport from one network to another

11. Which of the following is not true about IP address? Copy

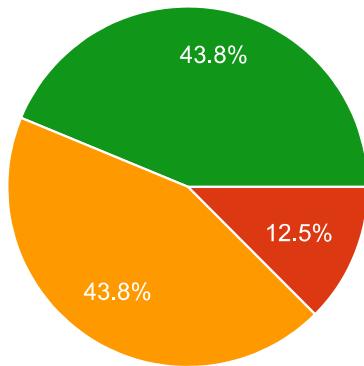
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- Class E IP addresses can be assigned as IP addresses for computers in networks
- The total number of IP addresses in Class A is greater than that of class B
- 88.88.88.88 is a class A IP address
- One can know Class B addresses if the numbers in t...

12. Which of the following IP address belongs to class D? Copy

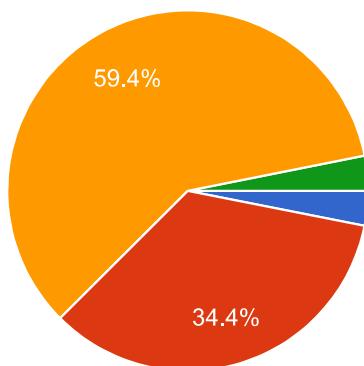
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- 100.100.100.100
- 192.68.0.0
- 223.255.255.255
- None of the above

13. An ARP query packet is encapsulated in Copy

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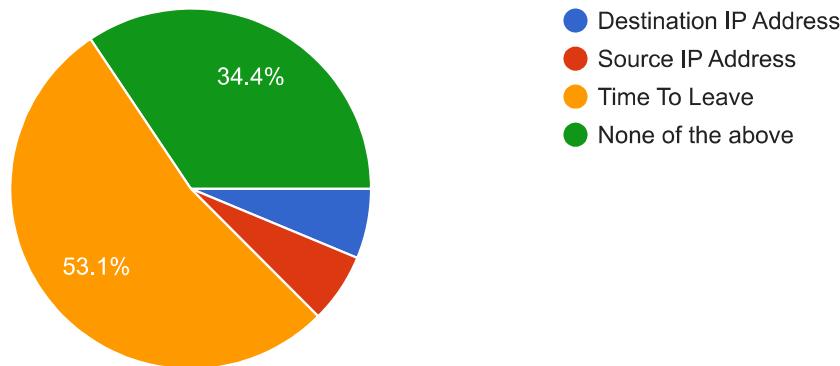


- An IP datagram
- A data link layer frame addressed to a specific adapter (NIC)
- A data link layer broadcast frame
- A data link layer multicast frame

14. Which of the following protocol information is not found in the IP Packet?

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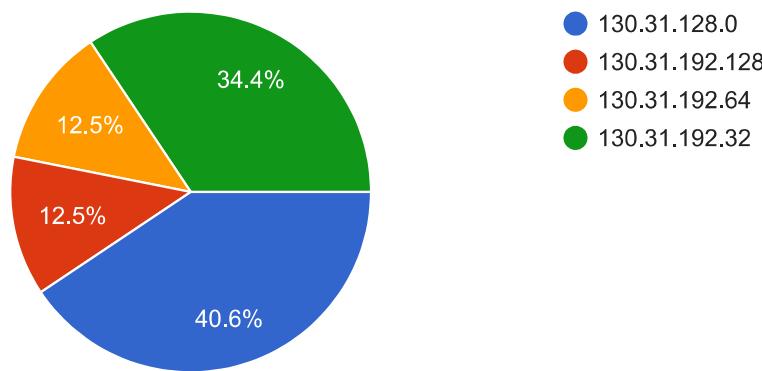
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15. A NIC of a computer has been assigned an IP address of 130.31.128.60 with a mask of 255.255.255.224. To which subnet does the IP address belong?

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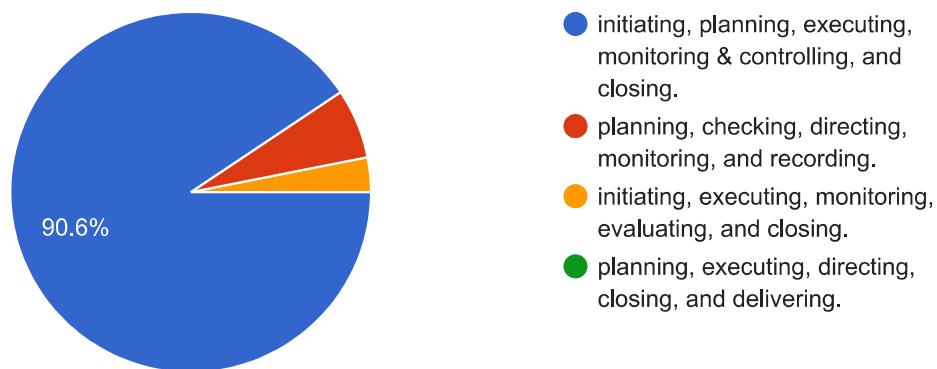


Information Systems Project Management

1. The five project management process groups are:

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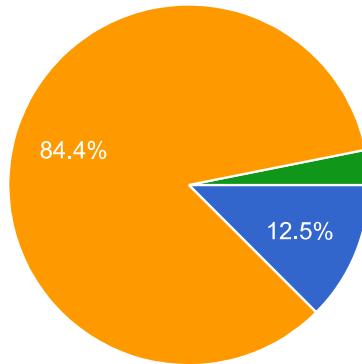
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2. A project can be defined as:

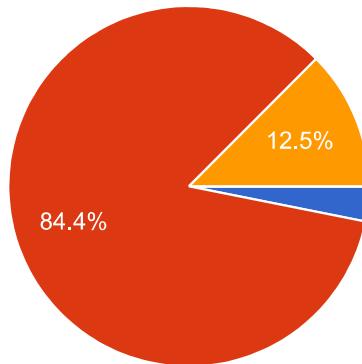
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- a set of sequential activities performed in a process or system.
- a revenue generating activity that needs to be accomplished while achieving customer sati...
- a temporary endeavour undertaken to create a unique...
- an ongoing endeavour undertaken to meet customer...

3. A project manager for a software project is well regarded by people in her company for her programming skills. She has a good reputation among the senior managers as well as the employees under her supervision. Which best describes the power the project manager is exerting?

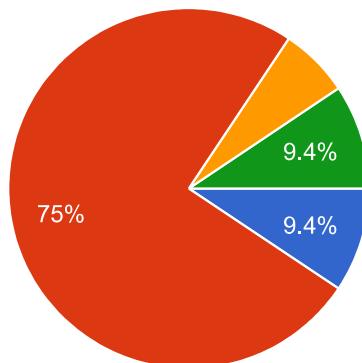
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- Reward power
- Expert power
- Referent power
- Punishment power

4. Much of a project manager's time is spent:

32 responses

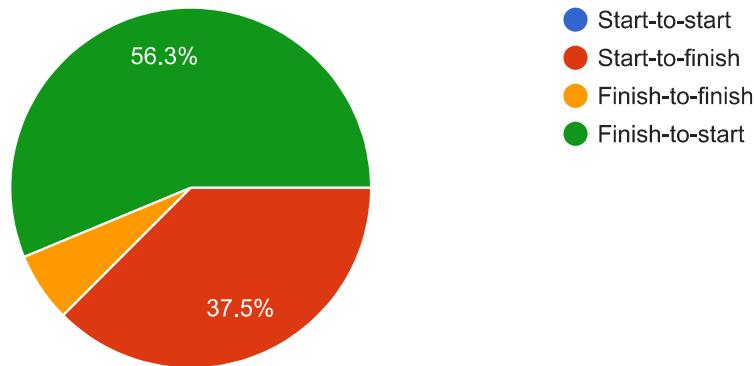


- managing procurements
- managing communications
- managing quality
- evaluating risks

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5. In sequencing activities using the precedence diagramming method which of the logical relationships is most frequently used?

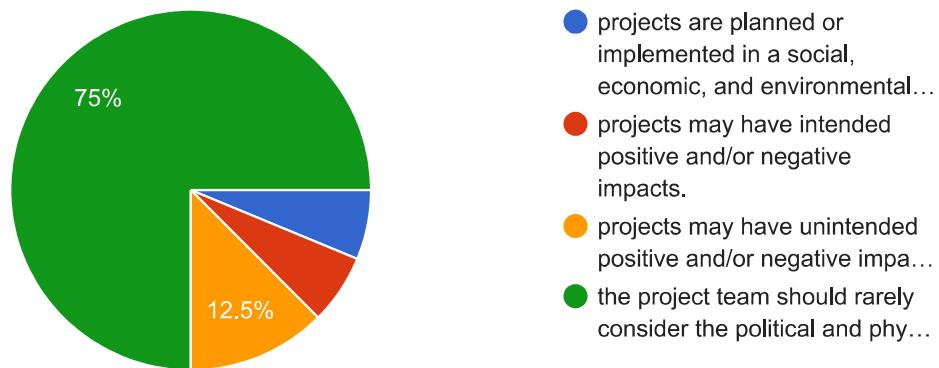
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6. In understanding the project environment, all of the following are true except:

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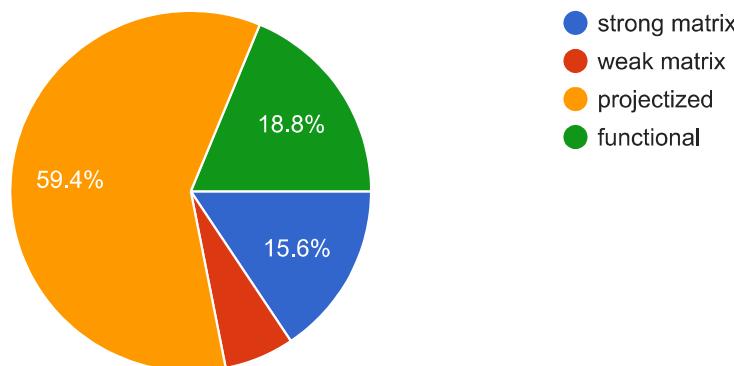
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7. The project manager has the highest level of independence and authority in a _____ organization.

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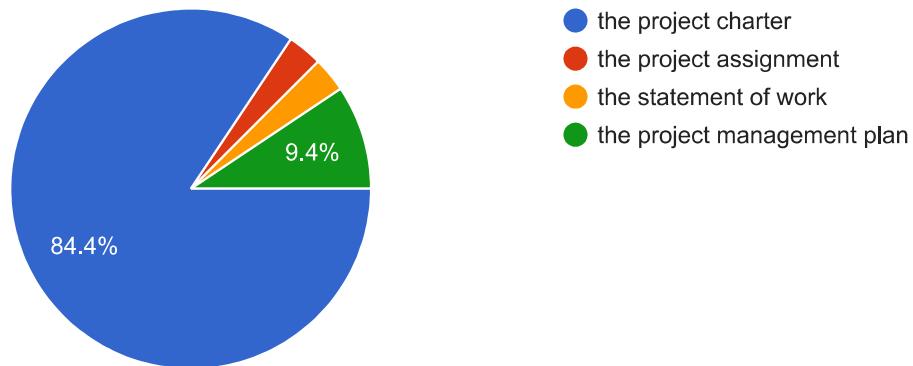
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8. A project manager has just become the manager of a project. The document that recognizes the existence of the project is called:

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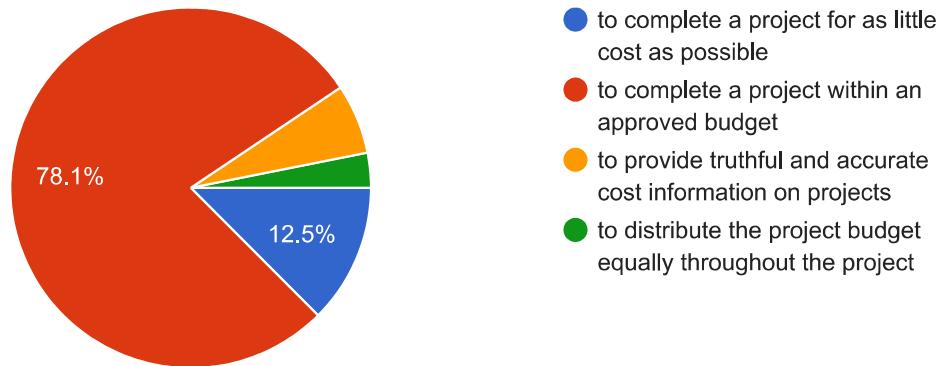
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9. What is the main goal of project cost management?

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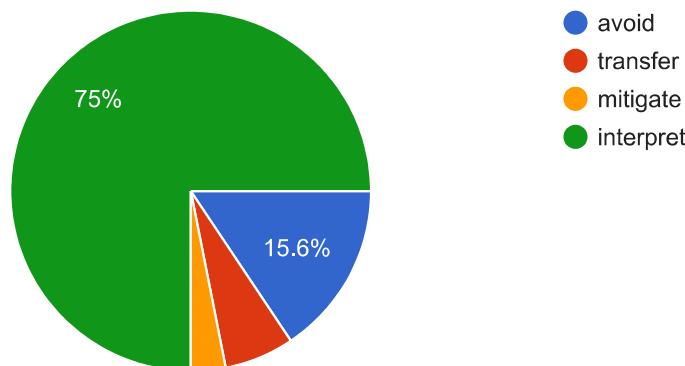
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10. Strategies typically used to deal with threats or risks that may have negative impacts on project objectives if they occur include all of the following EXCEPT:

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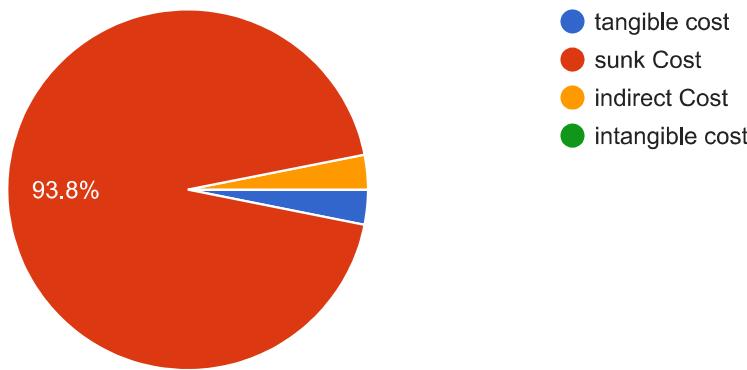
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11. A project cost that can never be fully retrieved (returned) is:

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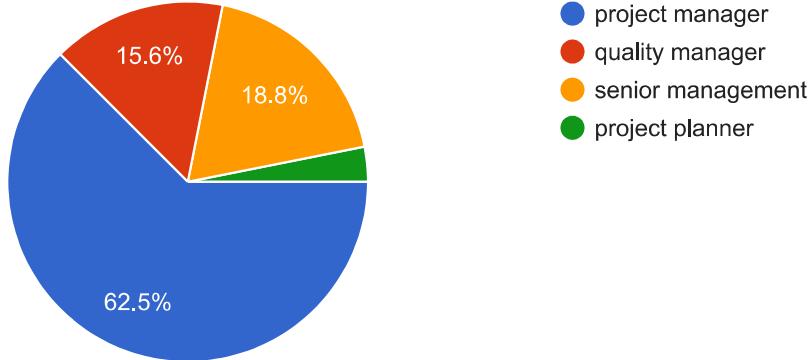


- tangible cost
- sunk Cost
- indirect Cost
- intangible cost

12. Who has overall responsibility for quality planning?

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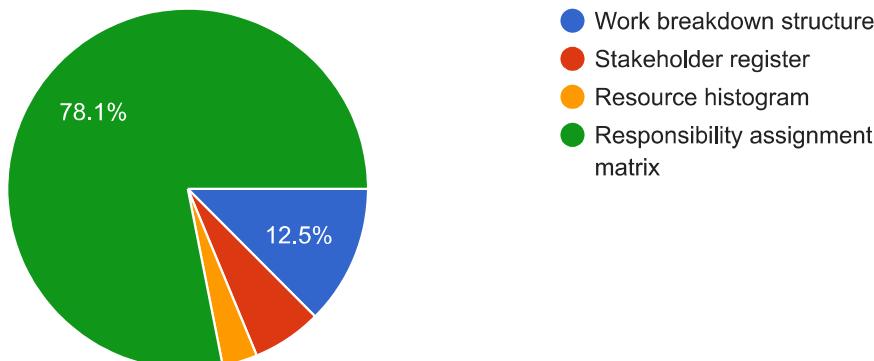


- project manager
- quality manager
- senior management
- project planner

13. A matrix that maps persons to tasks in the work breakdown structure is called

 Copy

32 responses

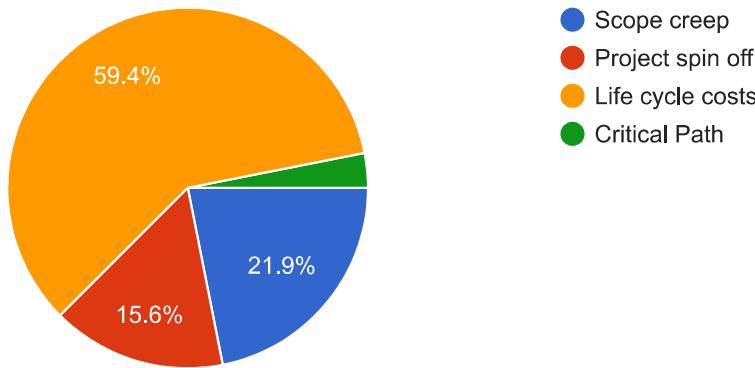


- Work breakdown structure
- Stakeholder register
- Resource histogram
- Responsibility assignment matrix

14. You are the project manager for a technical implementation project. The customer has requested that you include the after-the-project costs, such as maintenance and service. This is an example of which one of the following.



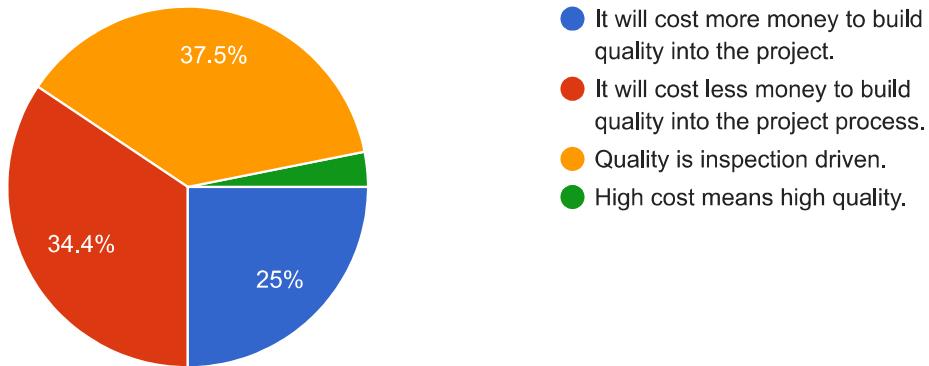
32 responses



15. Which of the following is most true about quality?



32 responses

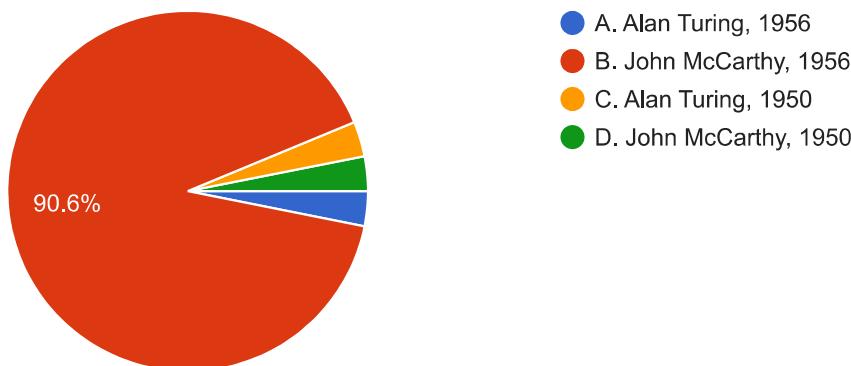


Fundamentals of Artificial Intelligence

1. The term Artificial Intelligence was coined by _____ in

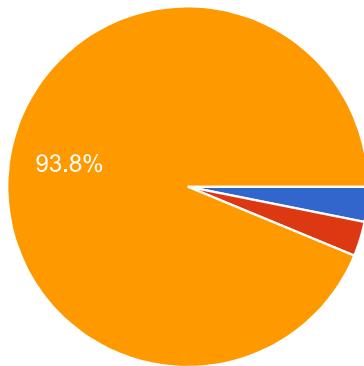


32 responses



2. Which one of the following describes Artificial Intelligent? Copy

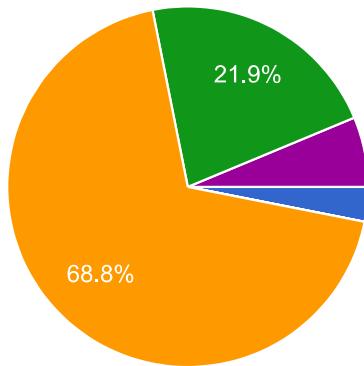
32 responses



- A. It is a science that enables us to create a machine that does everything.
- B. It is about programming a machine with your own Intelligence.
- C. It aims at creating machines that perform tasks that require intelligence.
- D. None

3. The following are the key characteristics of an intelligent system except Copy

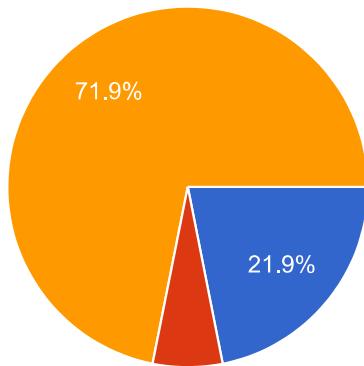
32 responses



- A. Use vast amount of knowledge.
- B. Learn from experience and adapt to changing environment.
- C. They know the outcome of their action.
- D. Tolerate error and ambiguity in communication.
- E. Interact with human using natural language and speech.

4. Suppose you are asked to design an agent that acts on the basis of condition-action rules and internal state, besides the current percept. What type of agent do you design? Copy

32 responses

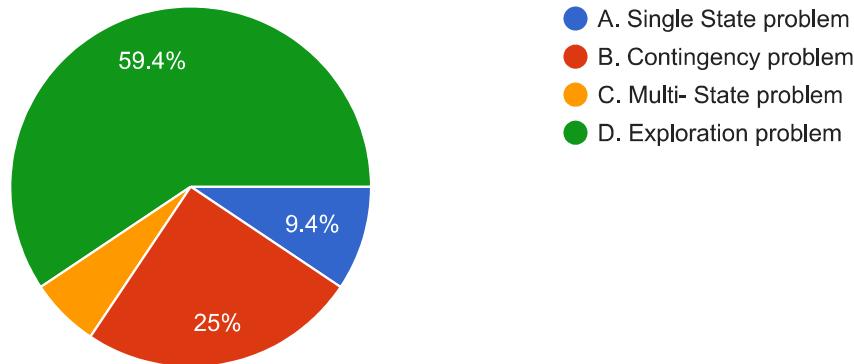


- A. Simple reflex agent
- B. Goal-based agent
- C. Model-based reflex agent
- D. Learning agent

5. In which one of the following problem types the agent has no knowledge of what its actions do and about the environment?

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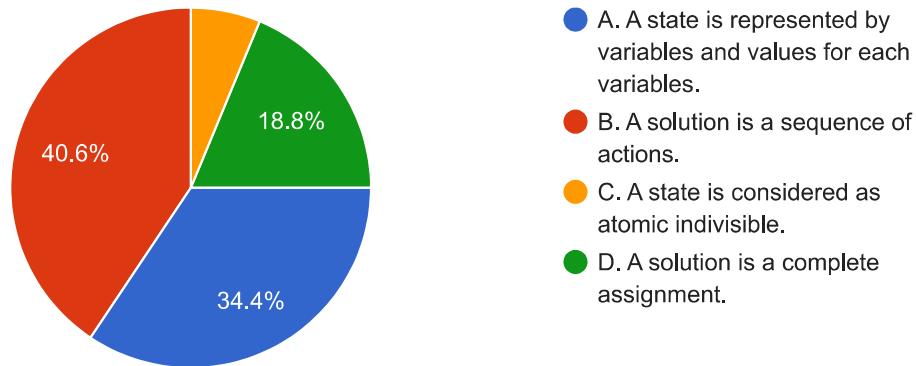
32 responses



6. One of the following is true about constraint satisfaction problem.

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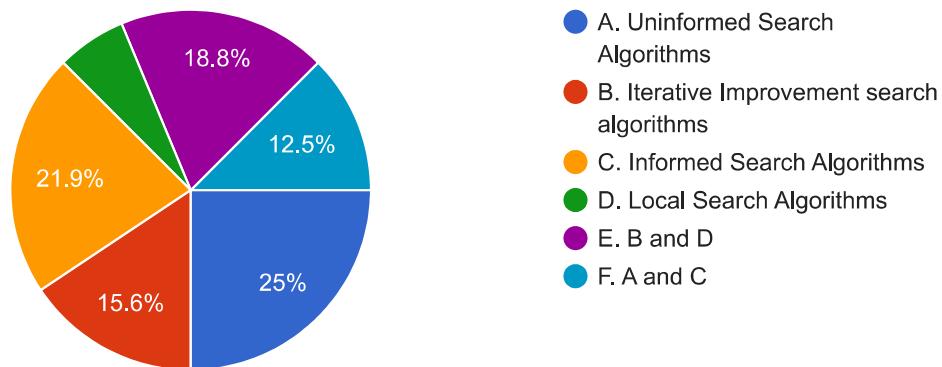
32 responses



7. Suppose you are asked to implement a search algorithm for a particular problem. Your boss told you that your search algorithm need to return only the final or the goal state. Which class of search algorithm will you use?

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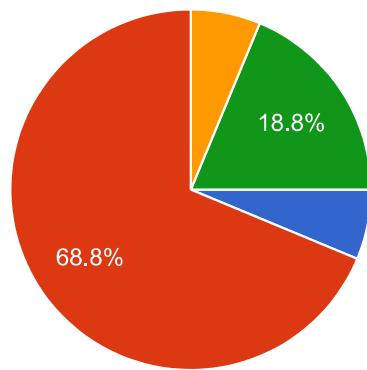
32 responses



8. One of the following is not true about Hill-Climbing search algorithm.

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32 responses

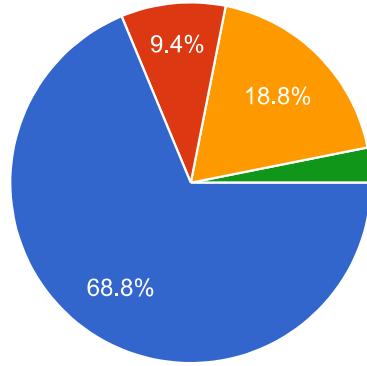


- A. It is a local search algorithm.
- B. It considers a state space as a graph.
- C. It stops searching when no neighbour has higher value than the current state.
- D. It has low memory requirement.

9. Which data structure is best to implement Depth First Search?

 Copy

32 responses

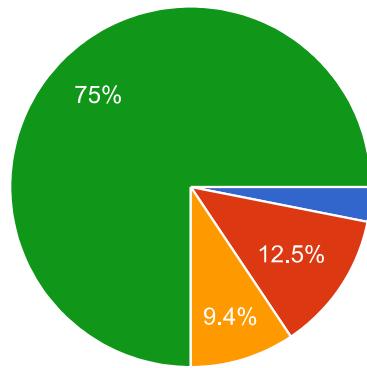


- A. Stack
- B. Priority queue
- C. Queue
- D. All

10. Which of the following is not the property or requirement of knowledge representation languages?

 Copy

32 responses

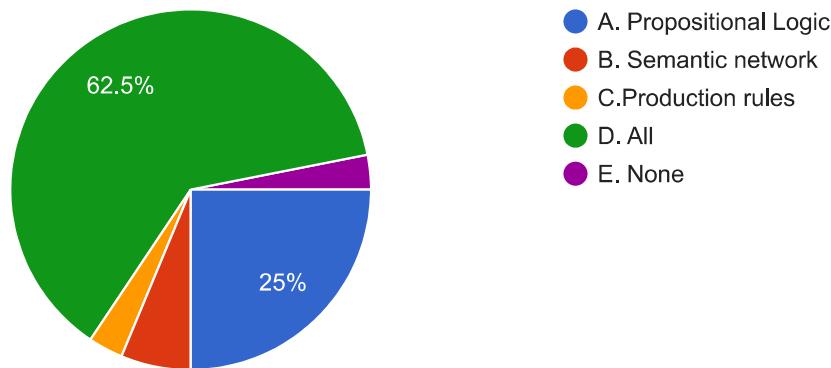


- A. Inferential adequacy
- B. Understandability
- C. Representational adequacy
- D. Representational verification

11. Which one of the following is a knowledge representation language?

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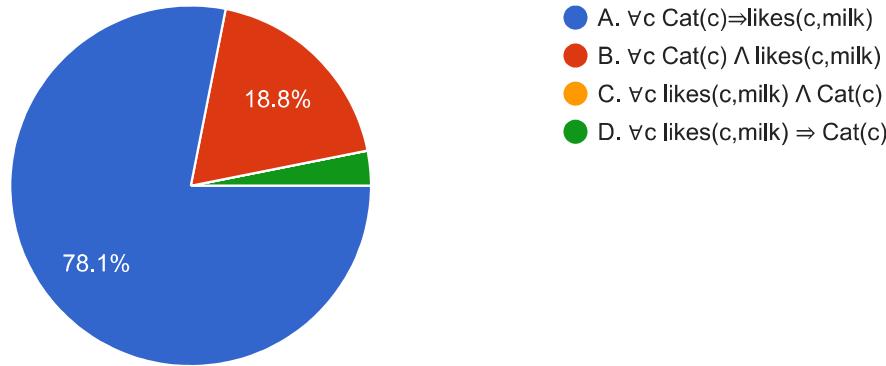
32 responses



12. Which one of the following First Order Logic sentence represents the statement "All cats like milk"?

Copy

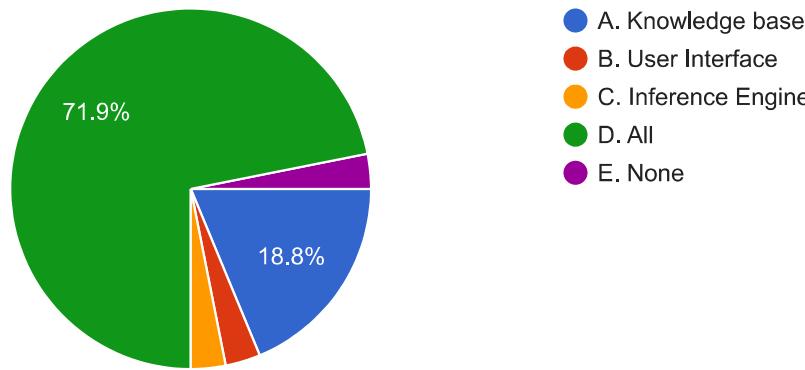
32 responses



13. The component/s of an Expert system is/are_____.

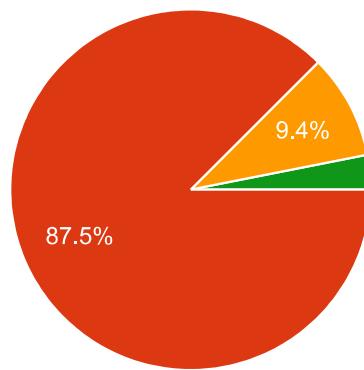
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32 responses



14. _____ learning algorithm uses explicit input-output feedback.  Copy

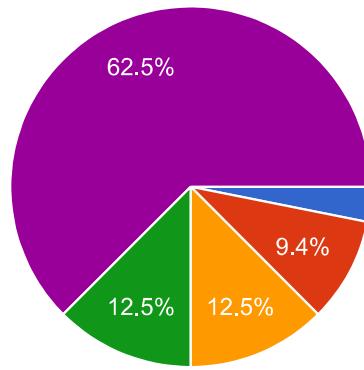
32 responses



- A. Unsupervised learning
- B. Supervised learning
- C. Reinforcement learning
- D. Semi-supervised learning

15. A decision tree learning algorithm:  Copy

32 responses

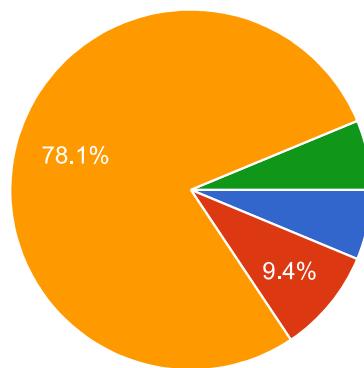


- A. is an unsupervised learning algorithm.
- B. selects an attribute with the lowest disorder or entropy for splitting the data.
- C. selects an attribute with the highest information gain for splitting the data.
- D. All
- E. B and C

Systems Analysis and Design (Fundamentals and Object Oriented)

1. In Relational Data Modeling, which of the following is false  Copy

32 responses

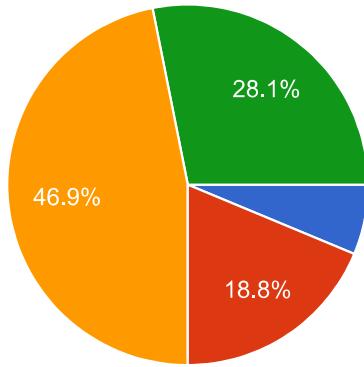


- A. The goal of normalization is to produce well-structured relations while the goal of den...
- B. "Entries in cells are simple" in relational data model means that at the intersection of a co...
- C. Any relation with single attribute forming the primary k...
- D. Eliminating partial dependency is the target of s...

2. Referring to the following ER-Diagram, which of the following statements are false?



32 responses

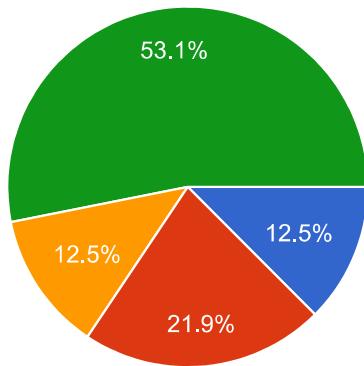


- A. There is a recursive relationship.
- B. All tuples of the lease entity must have corresponding matching records from Client entity.
- C. Staff is a weak entity.
- D. The "0...1" multiplicity indicates an optional participation.

3. Referring to the ER-diagram in question number 2, which one of the statements is TRUE?



32 responses

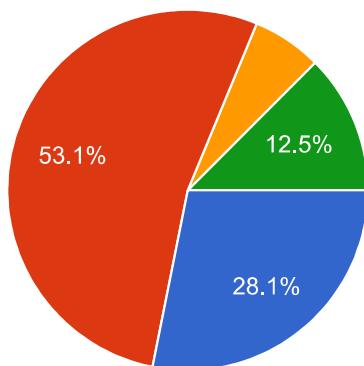


- A. A branch registers exactly one client.
- B. A client must hold a lease for a property.
- C. A property for lease can be owned by more than one owner.
- D. A staff may or may not manage a branch.

4. The logic of processes in a DFD can be expressed by of all of the following except?



32 responses

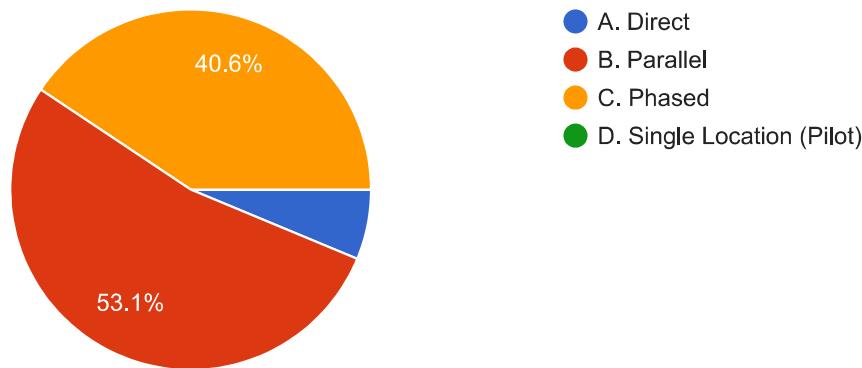


- A. Decision Tree
- B. Primitive DFD
- C. Decision Table
- D. Structured English

5. Given the following picture, which type of installation is implied by it

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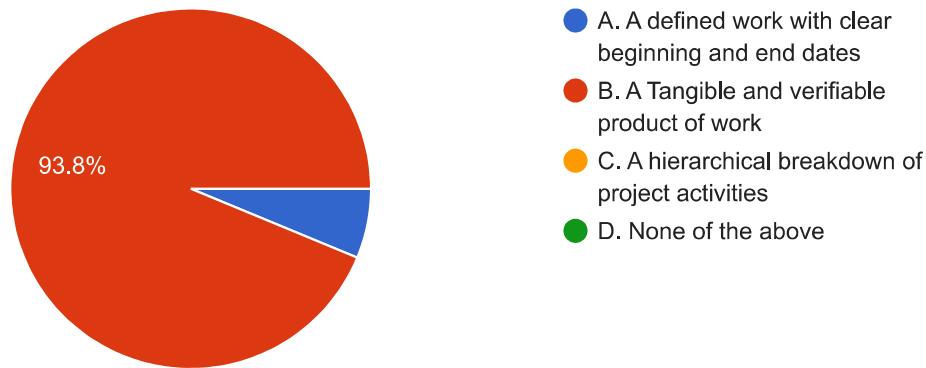
32 responses



6. In software project management, a deliverable is

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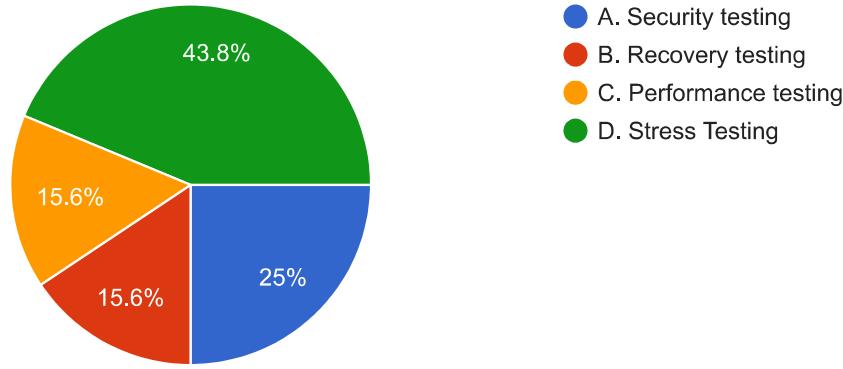
32 responses



7. Which of the following type of Alpha Testing is about testing the system to see if the system withstands an attempt to break it down?

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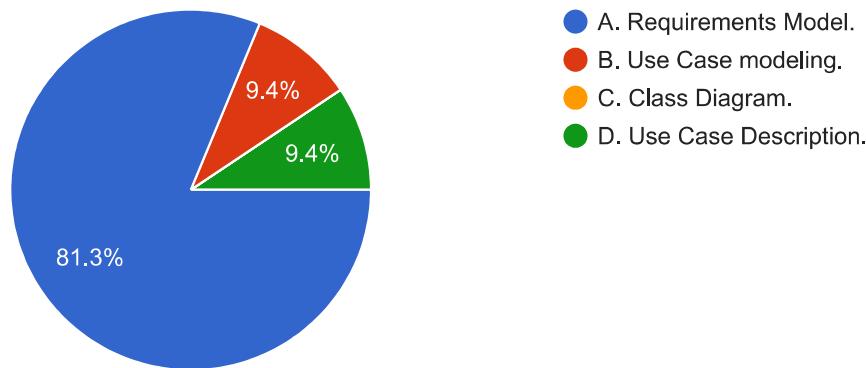
32 responses



8. _____ is a collection of artefacts, including your use case model, user interface, domain model, change cases model, and supplementary specifications that describe the requirements for a system.

Copy

32 responses

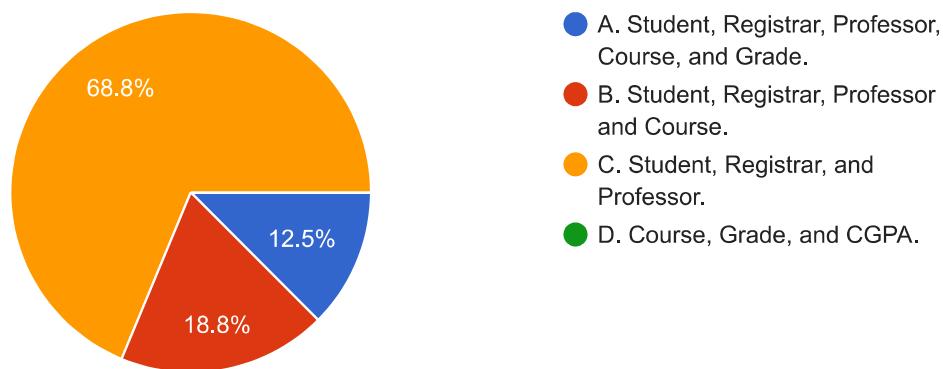


A professor in the university offers courses. At the end of each semester, he/she is responsible to submit grade to a department and a registrar. The registrar maintains students' grades and computes CGPA for each student. Students receive grades for the courses they took along with CGPA in a slip.

Copy

9. Given the above business description, which of the following could be actors?

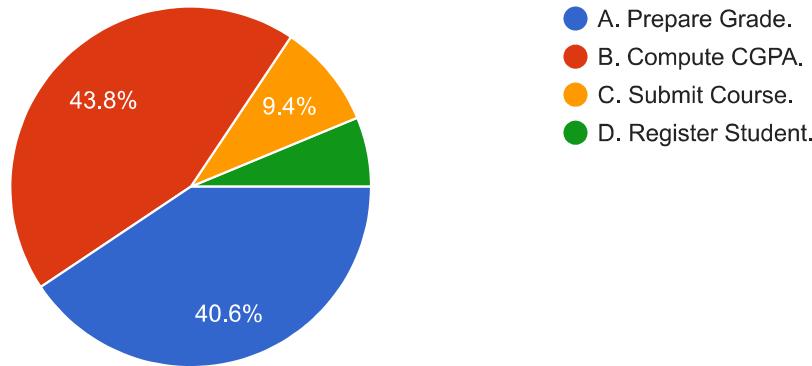
32 responses



10. Referring to the business description in question number 2, what could be a use case (s)?

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32 responses

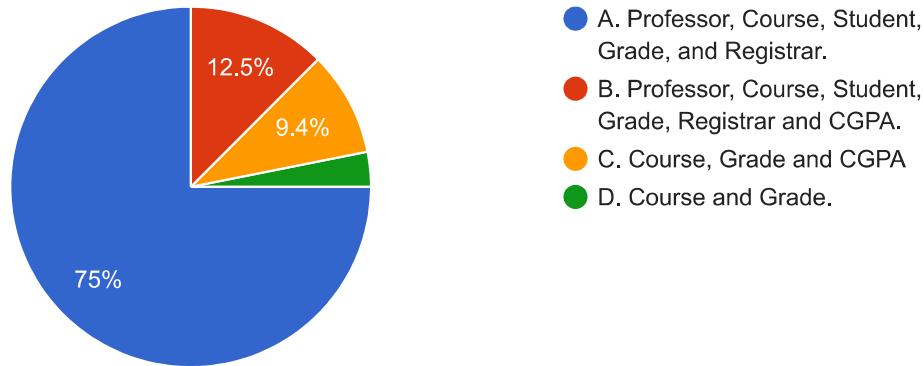


- A. Prepare Grade.
- B. Compute CGPA.
- C. Submit Course.
- D. Register Student.

11. Referring to the business description in question number 2, what are the possible classes?

 Copy

32 responses

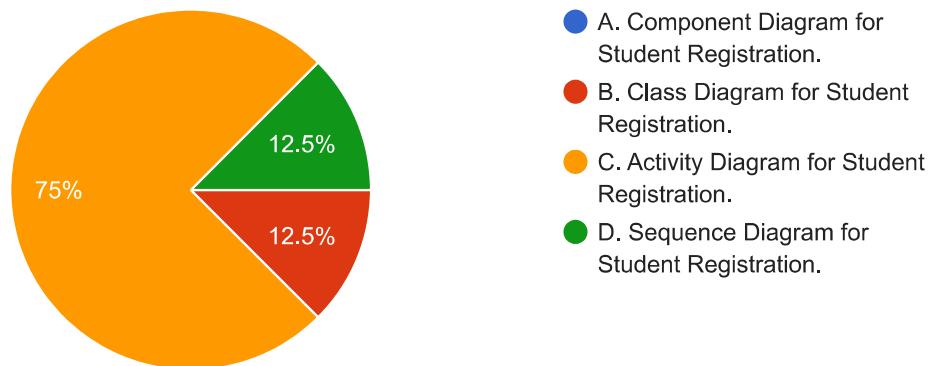


- A. Professor, Course, Student, Grade, and Registrar.
- B. Professor, Course, Student, Grade, Registrar and CGPA.
- C. Course, Grade and CGPA
- D. Course and Grade.

12. What does this diagram represent?

 Copy

32 responses

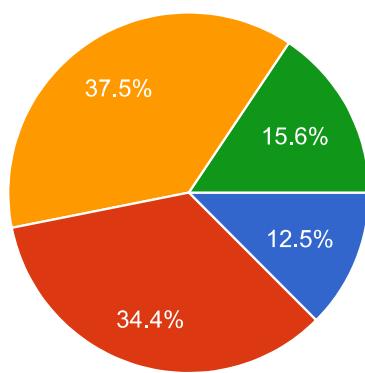


- A. Component Diagram for Student Registration.
- B. Class Diagram for Student Registration.
- C. Activity Diagram for Student Registration.
- D. Sequence Diagram for Student Registration.

13. What does Register() refer to in the following sequence diagram?

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32 responses

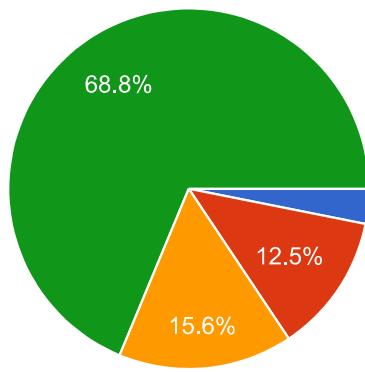


- A. The lifeline of the student object.
- B. Message passing.
- C. Method of Validate Profile Object.
- D. Method of Authenticate Profile Object.

14. Referring to the following diagram, can you identify the subclasses?

 Copy

32 responses

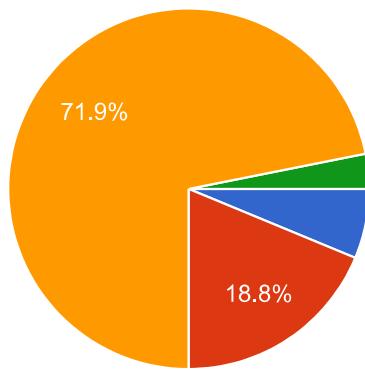


- A. Student, Professor, and Person.
- B. Person and Address.
- C. Student, Professor and Address.
- D. Student and Professor.

15. Refer to the class diagram under question number14 Which of the following are the behavior/methods of classes?

 Copy

32 responses

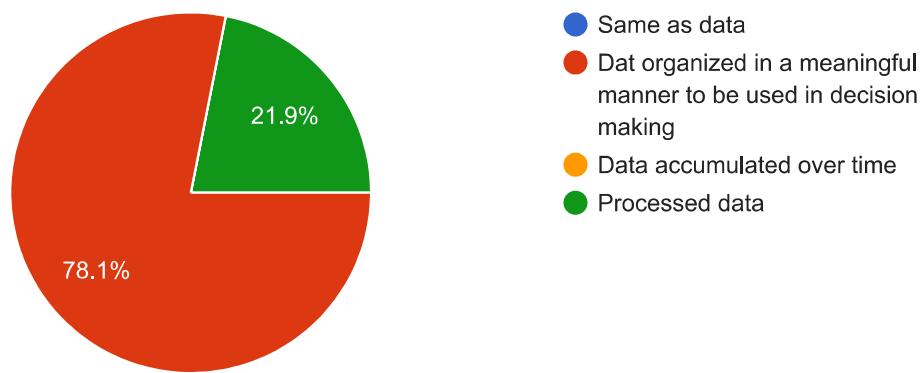


- A. Salary in Professor Class.
- B. Student Number and Average Mark in Student Class.
- C. Purchase Parking Pass in Person Class.
- D. Country in Address Class.

Introduction to Information Retrieval

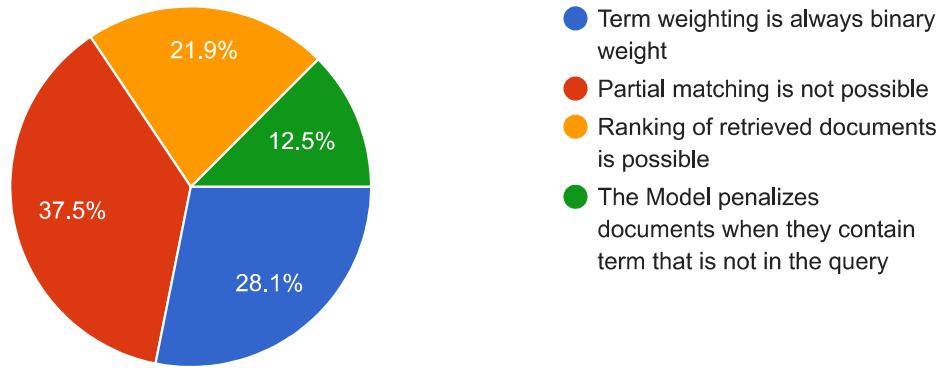
1. What is Information?

32 responses

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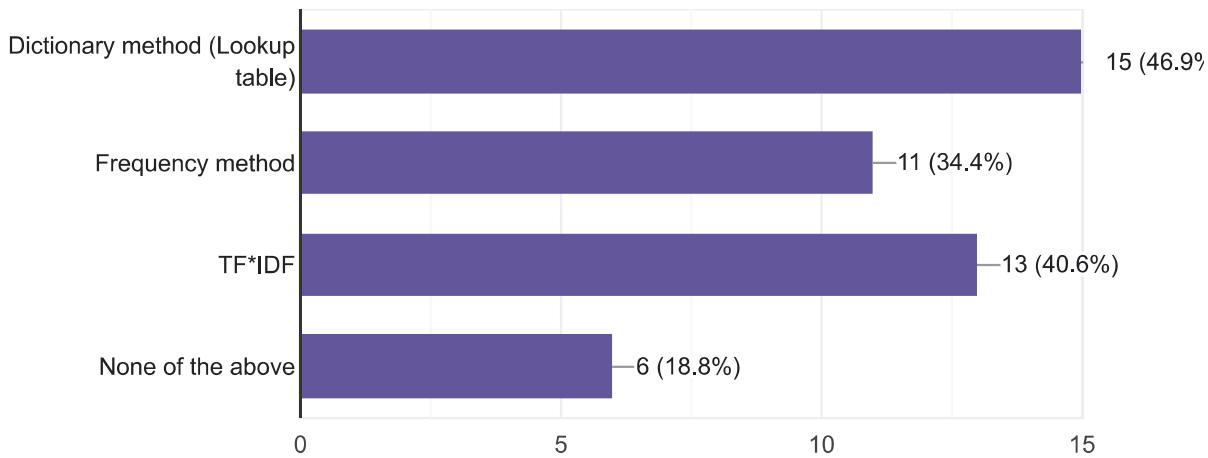
2. Which of the following is **not true** about Boolean IR model?

32 responses

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3. Which methods can be applied to remove stop words from a corpus (text document collection)?

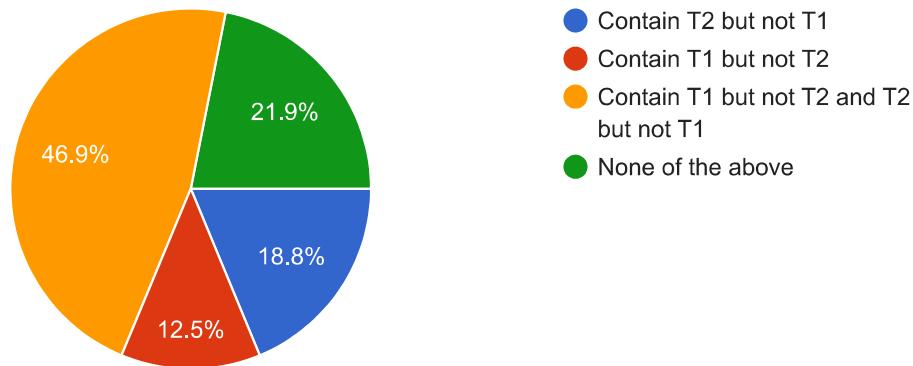
32 responses

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4. The query operation **NOT (T1 AND T2)** will retrieve documents that _____.

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32 responses

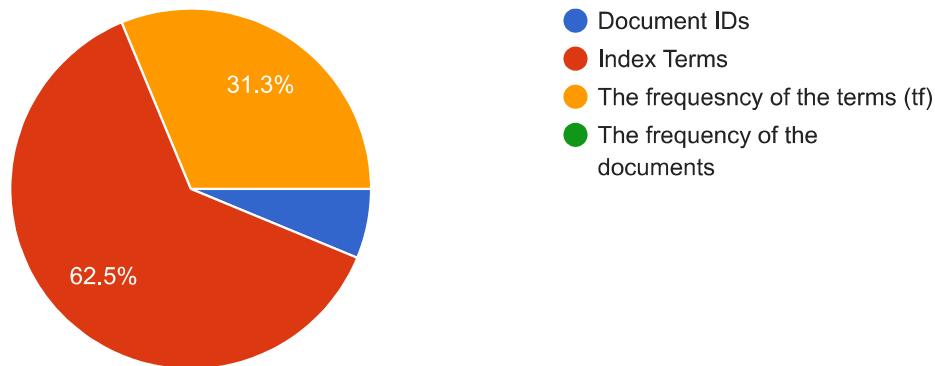


- Contain T2 but not T1
- Contain T1 but not T2
- Contain T1 but not T2 and T2 but not T1
- None of the above

5. An inverted index arranges data in a sorted order as per _____.

 Copy

32 responses

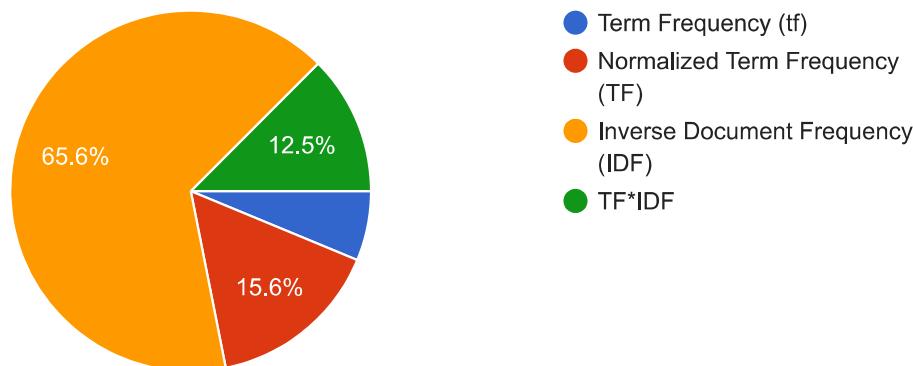


- Document IDs
- Index Terms
- The frequency of the terms (tf)
- The frequency of the documents

6. What is the metric used to measure the **rarity** of a term in a corpus (text document collection)?

 Copy

32 responses

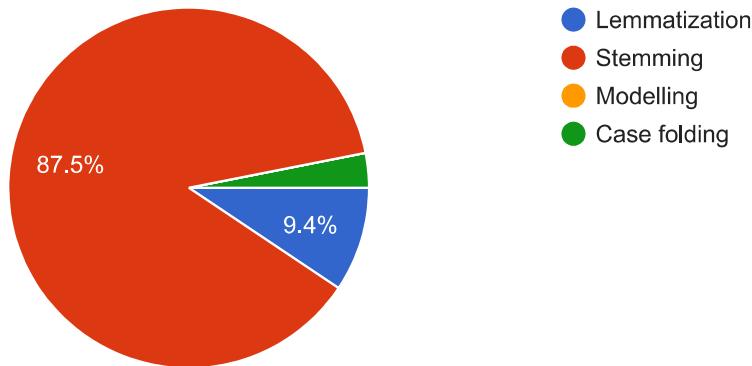


- Term Frequency (tf)
- Normalized Term Frequency (TF)
- Inverse Document Frequency (IDF)
- TF*IDF

7. The heuristic process of cutting off one or more letters from the beginning or end of words to extract word classes from inflected words is called _____

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32 responses

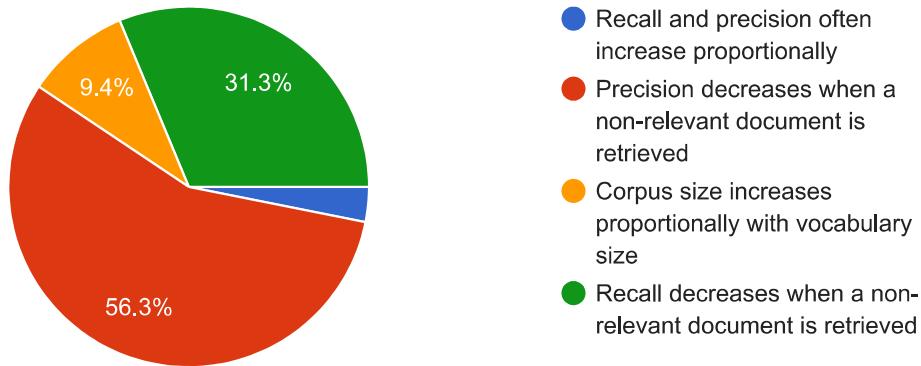


- Lemmatization
- Stemming
- Modelling
- Case folding

8. Which of the following is true?

 Copy

32 responses

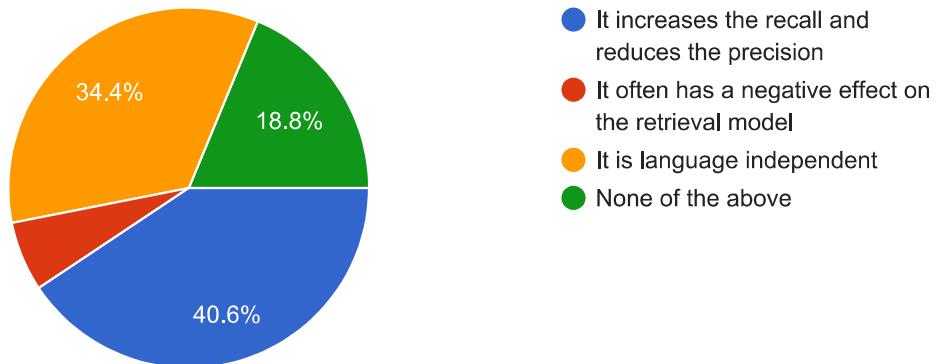


- Recall and precision often increase proportionally
- Precision decreases when a non-relevant document is retrieved
- Corpus size increases proportionally with vocabulary size
- Recall decreases when a non-relevant document is retrieved

9. Which of the following is true about **Stemming**?

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32 responses

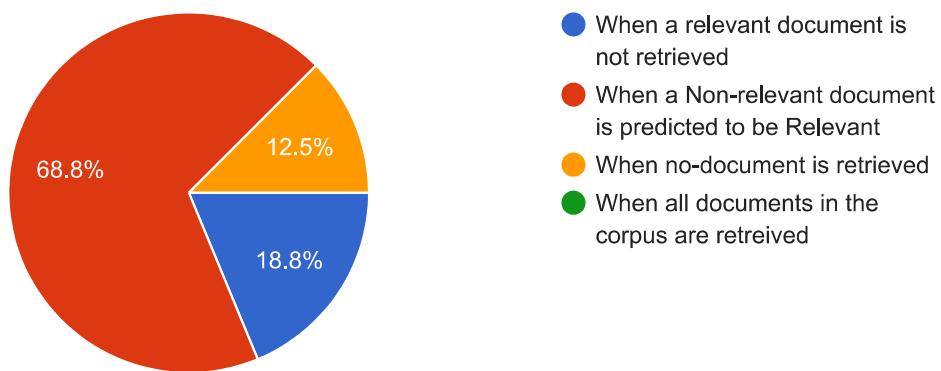


- It increases the recall and reduces the precision
- It often has a negative effect on the retrieval model
- It is language independent
- None of the above

10. What is the meaning of "error of commission"?

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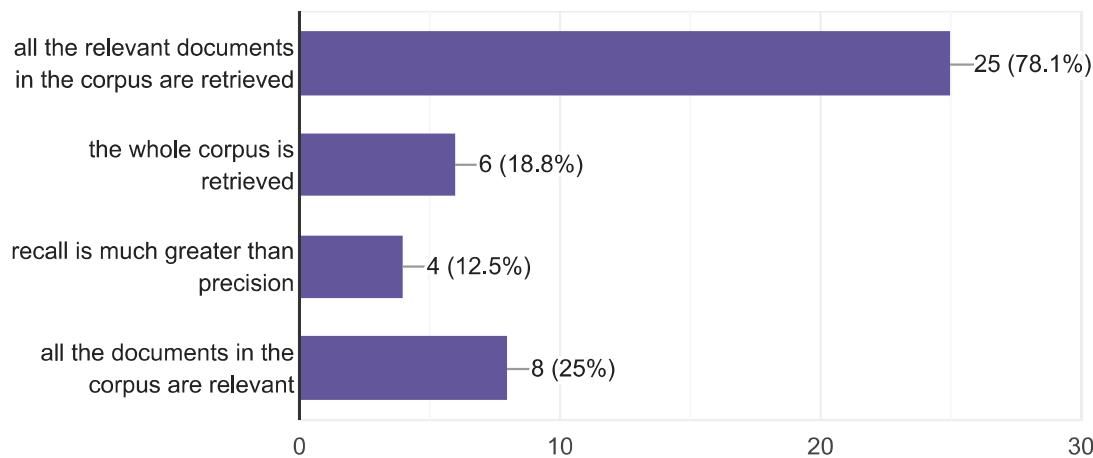
32 responses



11. Recall will be 100% when _____.

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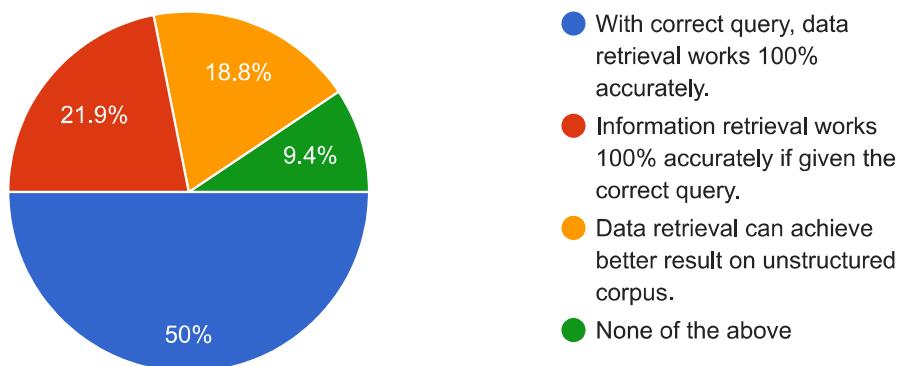
32 responses



12. Which of the following is **not true**?

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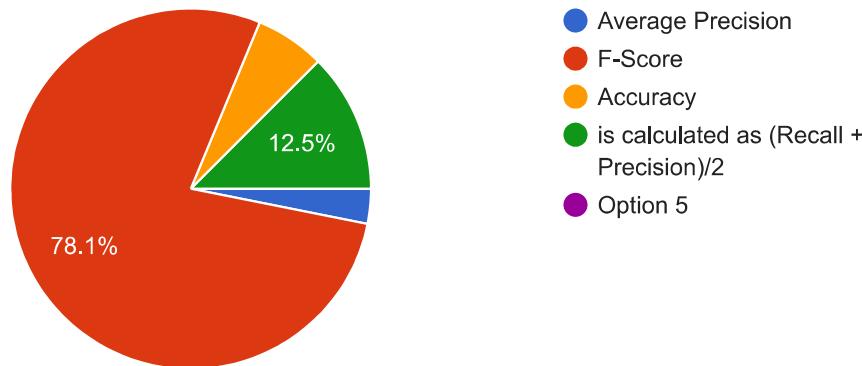
32 responses



13. The harmonic mean of recall and precision will give us _____.

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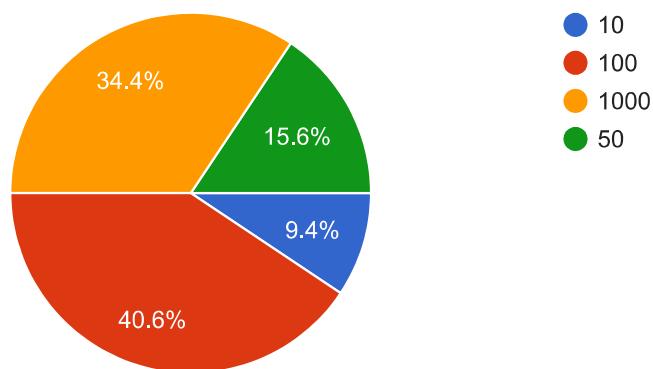
32 responses



14. Suppose the vocabulary size of a corpus having 100 terms is 10 and that of a corpus having 500 terms is 25. What is the estimated vocabulary size of a corpus having 10000 terms if we take beta to be 0.5?
(Hint: use **Heaps Law**)

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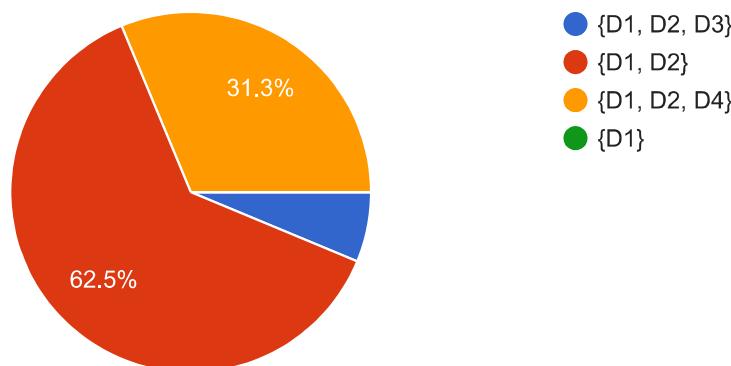
32 responses



15. Suppose you have the following five documents in your corpus $D_1 = \{t_1, t_2, t_3, t_4, t_5\}$, $D_2 = \{t_1, t_2, t_3, t_4\}$, $D_3 = \{t_2, t_4, t_6, t_8\}$, $D_4 = \{t_1, t_3, t_5, t_7\}$, and $D_5 = \{t_2, t_3, t_4\}$ where t stands for term. Which documents will be retrieved for the query $Q=t_1 \text{ AND } (t_2 \text{ OR } (\text{NOT } t_3))$ using Boolean Model.

Copy

32 responses

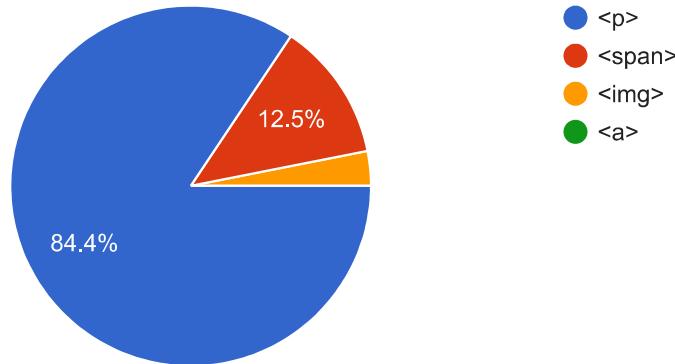


Internet Programming (Basic and Advanced)

1. Which of the following HTML elements is a block element ?

 Copy

32 responses

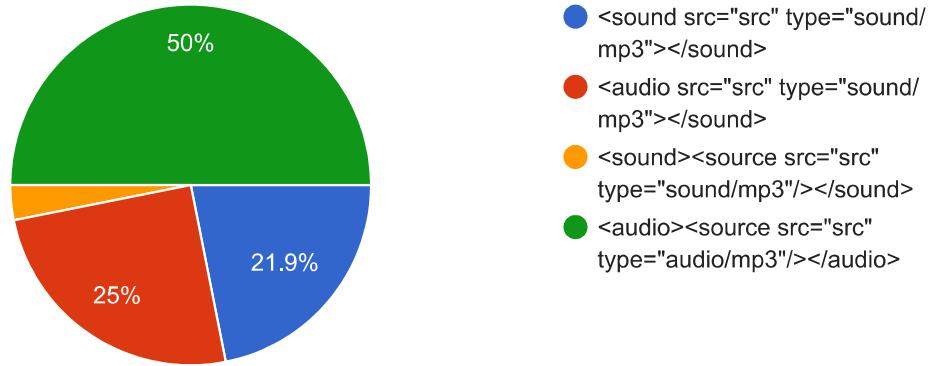


- <p>
-
-
- <a>

2. What is the correct syntax to add a audio/ sound content to an HTML page ?

 Copy

32 responses

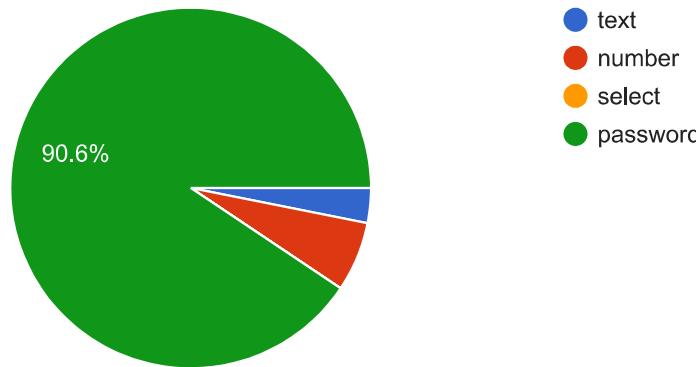


- <sound src="src" type="sound/mp3"></sound>
- <audio src="src" type="sound/mp3"></audio>
- <sound><source src="src" type="sound/mp3"/></sound>
- <audio><source src="src" type="audio/mp3"/></audio>

3. Which of the following HTML form control is used to receive sensitive data, like pin code, from a user ?

 Copy

32 responses

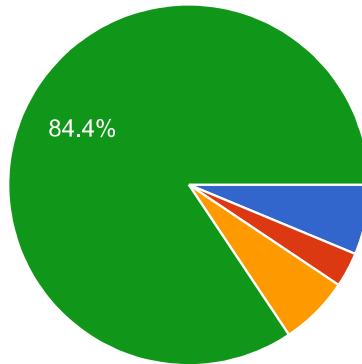


- password
- text
- number
- select

4. What is the right way to use anchor tag / hyperlink to visit a certain page ?

 Copy

32 responses

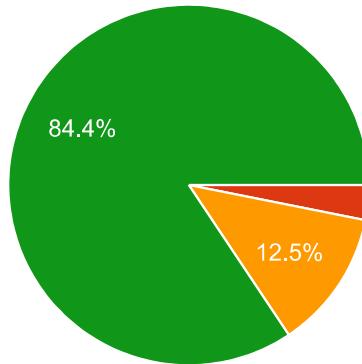


- `<link href="url" target="_blank">Visit`
- `<link src="url" target="_blank">Visit`
- `Visit`
- `Visit`

5. What is the correct attribute name that is used to merge two or more columns of an HTML table ? 5. What is the correct attribute name that is used to merge two or more columns of an HTML table ?

 Copy

32 responses

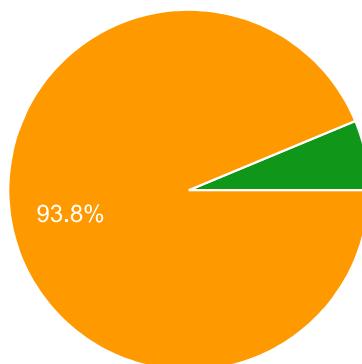


- `rowspan`
- `rowextend`
- `colextend`
- `colspan`

6. What is the maximum number of columns allowed in a row in bootstrap's grid layout ?

 Copy

32 responses

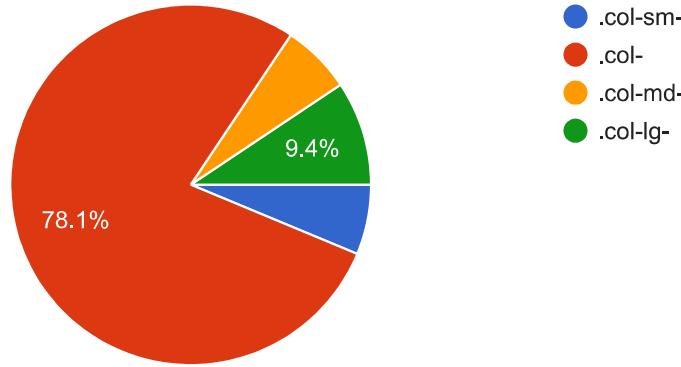


- 10
- 15
- 12
- 6

7. In bootstrap CSS, which of the following class is used to define grid columns for all device sizes ?

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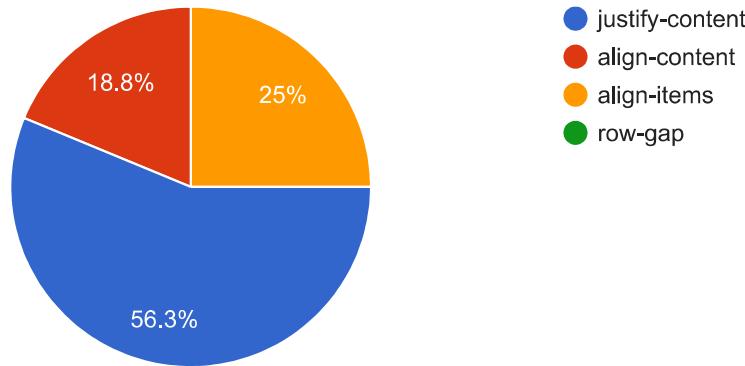
32 responses



8. Which of the following property is used to align elements of a flex-box container to the center on the main axis ?

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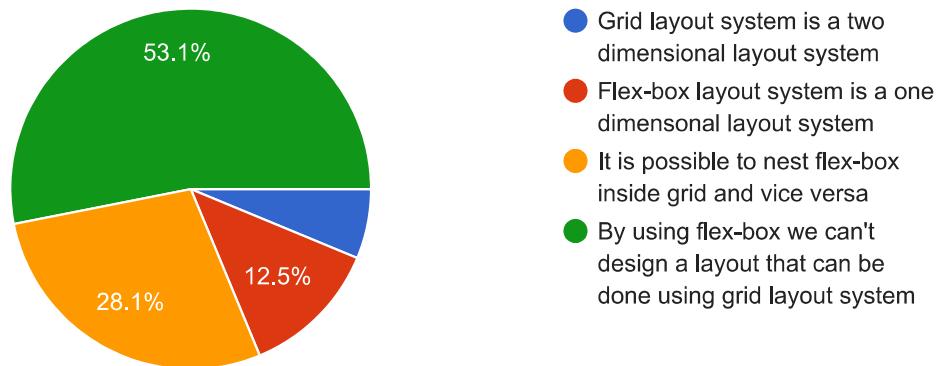
32 responses



9. Which of the following following statement is not correct about the grid and flex-box layout systems?

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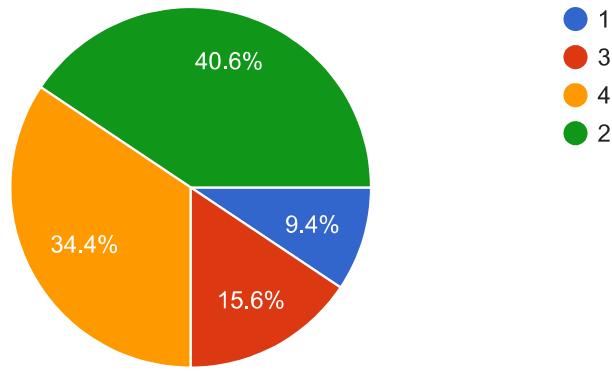
32 responses



10. How many rows will be there when rendering the following HTML code on a browser?

```
<html>
<head>
<style>
#container {
    display: grid;
    grid-template-columns: repeat(3, 1fr);
}
</style>
</head>
<body>
<div id="container">
<div>.....</div>
<div>.....</div>
<div>.....</div>
<div>.....</div>
<div>.....</div>
<div>
</body>
</html>
```

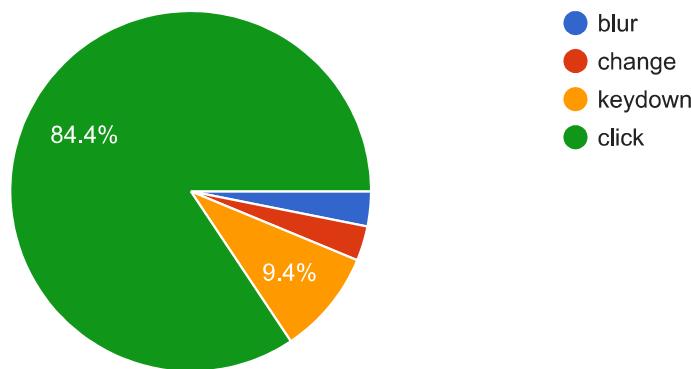
32 responses



11. Among the following events, which one originates from a mouse?

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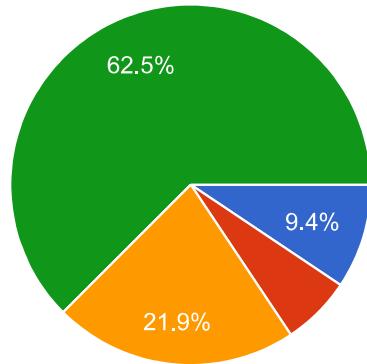
32 responses



12. Which of the following is not true about server-side scripting language ?

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32 responses

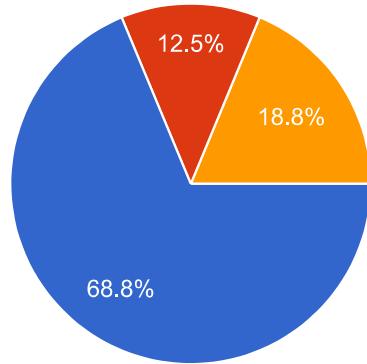


- It is executed on the server
- Has access to the server operating system
- It has to be translated to the corresponding client side language before rendered on the browser
- It can be executed by the browser

13.Which of the following is the correct syntax to write a PHP code?

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32 responses

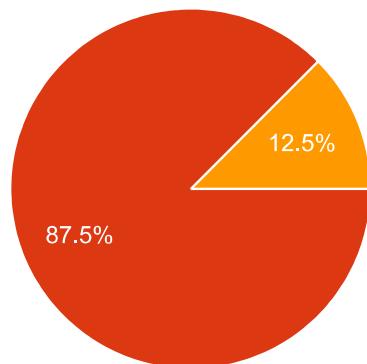


- <?php ?>
- < php >
- < ? php ?>
- <? ?>

14. Which is the right way of declaring a variable in PHP?

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32 responses

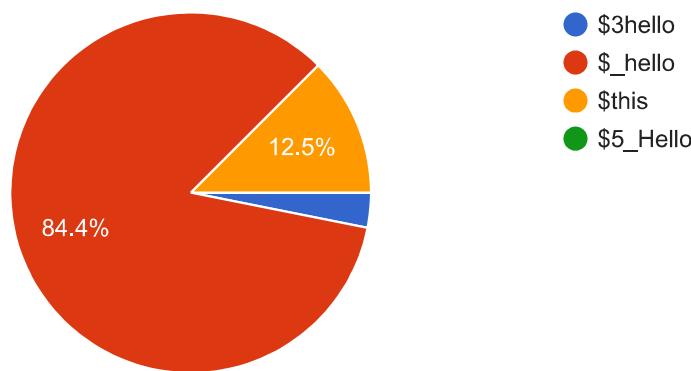


- \$3hello
- \$_hello
- \$this
- <? ?>

15. Which is the right way of declaring a variable in PHP?

 Copy

32 responses



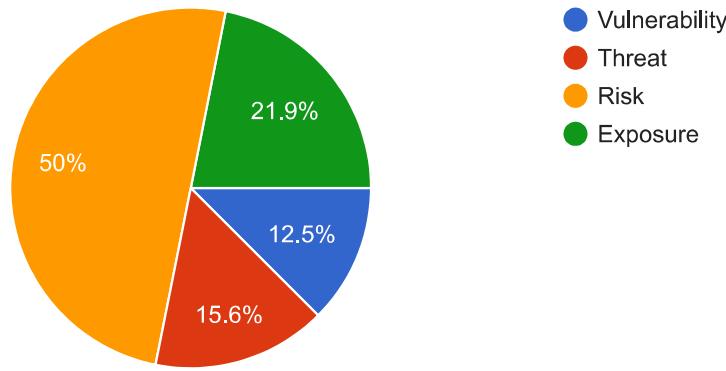
- \$3hello
- \$_hello
- \$this
- \$5_Hello

Information System Security

1. The likelihood of a threat source taking advantage of a vulnerability is called _____.

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32 responses

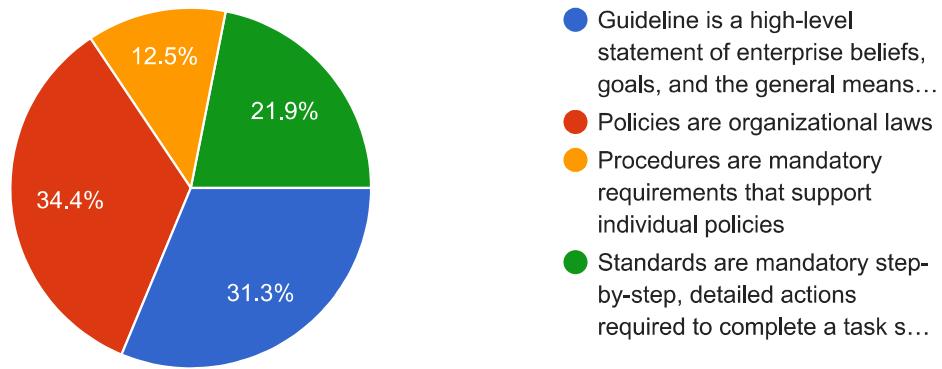


- Vulnerability
- Threat
- Risk
- Exposure

2. Which of the following statements about policy, standards, guidelines, or procedures is correct?

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32 responses

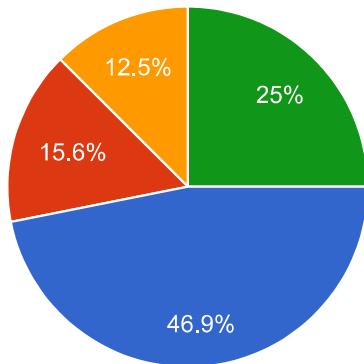


- Guideline is a high-level statement of enterprise beliefs, goals, and the general means...
- Policies are organizational laws
- Procedures are mandatory requirements that support individual policies
- Standards are mandatory step-by-step, detailed actions required to complete a task s...

3. In developing a security awareness program, it is MOST important to _____.

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32 responses

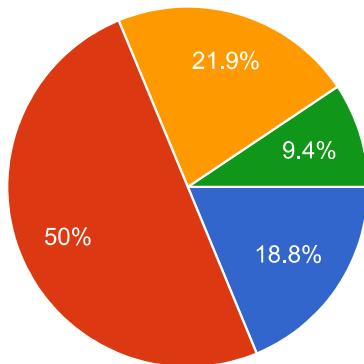


- Understand the corporate culture and how it will affect security
- Understand employees' preferences for information security
- Know what security awareness products are available
- Identify weaknesses in line management support

4. Once the key risks have been assessed, what action is unacceptable for very low risks?

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32 responses

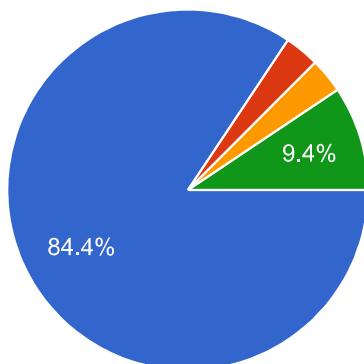


- They can be accepted
- They can be ignored
- They can be treated
- They can be terminated

5. What aspect is considered your weakest link in any security solution?

 Copy

32 responses

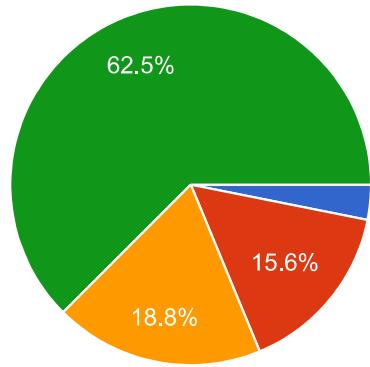


- Humans/Employees
- Third-party developed security products
- Security policies and procedures
- Insufficient encryption protocols

6. As an information system security principle, "Integrity" is all about

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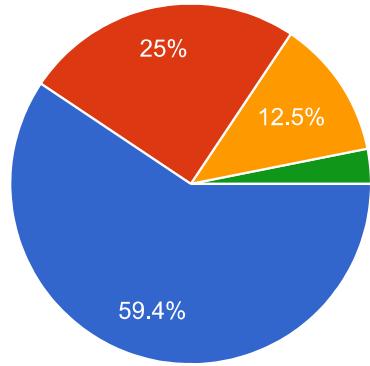


- allowing only unauthorized subjects to modify information.
- preventing unauthorized subjects from accessing information.
- allowing only authorized subjects access to information.
- preventing unauthorized subjects from modifying information.

7. Which of the following is most relevant to determining the maximum effective cost of access control?

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32 responses

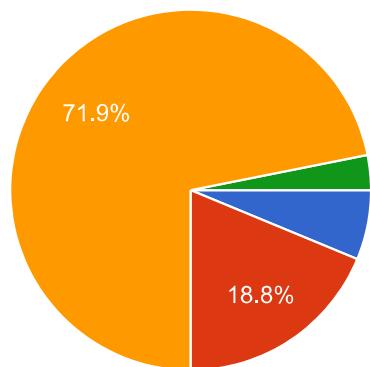


- The value of information that is protected
- Management's perceptions regarding data importance
- Budget planning related to base versus incremental spending.
- The cost to replace lost data

8. When a user logs onto a computer system and is asked for their mother's maiden name, which of the following aspects is the system ensuring?

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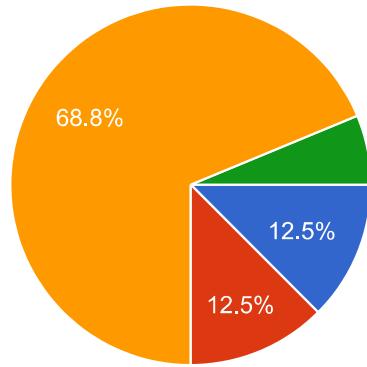


- Accountability
- Authorization
- Authentication
- Applicability

9. Which one of the following is an incorrect explanation in relation to layers in information systems security Defense-in-Depth Strategy?

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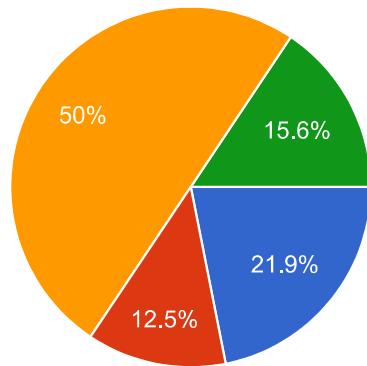


- Physical security is to protect the physical items, objects, or areas of an organization from...
- Communications security is to protect an organization's communications media, techn...
- Personal security is to protect the details of a particular oper...
- Network security is to protect networking components, conn...

10. How should a security risk be handled when the cost of the countermeasures outweighs the cost of the risk?

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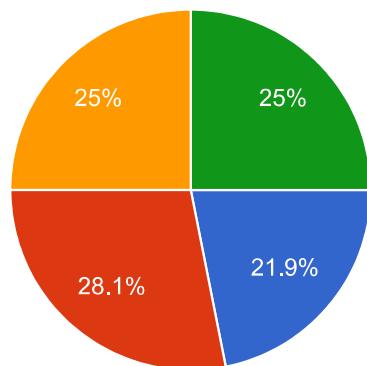


- Reject the risk
- Perform another risk analysis
- Accept the risk
- Reduce the risk

11. Why must senior management endorse a security policy?

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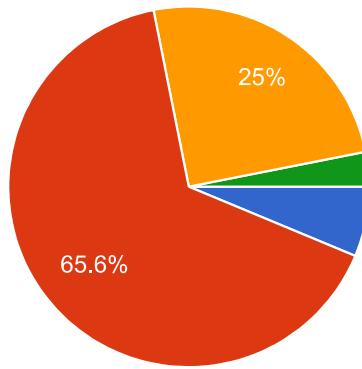


- So that they will accept ownership for security within the organization.
- So that employees will follow the policy directives.
- So that external bodies will recognize the organization's commitment to security.
- So that they can be held legally accountable.

12. Which of the following statements is not correct in relation to information security culture?

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32 responses

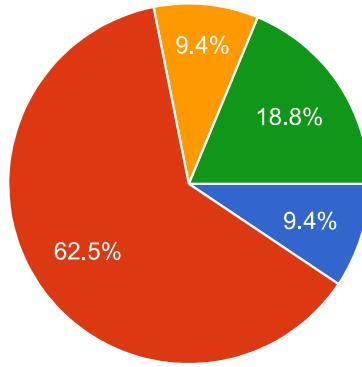


- The behavior of employees and their interaction with computer systems have a significant im...
- Many losses are not caused by users of technology and faulty human behavior but rather by...
- The purpose of information security culture is to address t...
- Although the technical aspect of information security needs du...

13. Which of the following statements is correct?

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32 responses

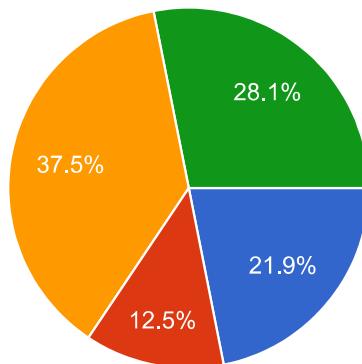


- Spoofing attack is about the prevention of authorized access to resources
- It is impossible to obtain perfect security even if organizations use maximum security control...
- A Denial of service or degrading of service attack is situation in...
- Identification of security requirements at an enterprise...

14. The root cause of some discovered vulnerabilities of an application might reasonably be which of the following?

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32 responses

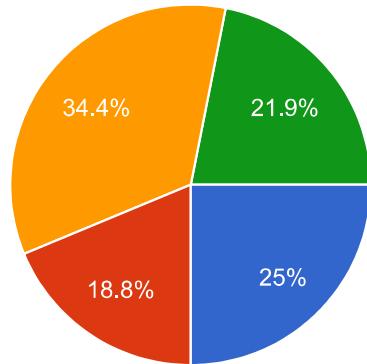


- The designers had too much technical training
- The government regulators were smarter than the developers expected
- The developers did not invest enough money and effort during the development
- Security vulnerabilities are hidden and therefore accepta...

15. The integrity threat can be exemplified by which of the following scenarios?

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32 responses



- Every customer record is stolen by hackers
- Every customer record is exposed by nation states
- Customer records were hidden, but one might have been slightly garbled
- The entire employee database was posted to the Internet

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