

# DC MACHINE OBJECTIVE QUESTIONS ANSWERS

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**What is the objective of DC machine?** A DC motor is an electrical machine that converts electrical energy into mechanical energy. In a DC motor, the input electrical energy is the direct current which is transformed into the mechanical rotation.

**What is the difference between AC and DC machine Mcq?** Difference between AC and DC is the direction in which the electron flows. Alternating current (AC) can be expressed as a form of electric current that moves both forward and backward and also changes direction with time. Direct Current (DC) can be defined as an electric current that moves in one direction alone.

**What is the working principle of DC motor MCQ?** What is the working principle of DC motor? Explanation: The working principle of motor Fleming's left hand rule. It states that, when a current carrying conductor is placed in a magnetic field then it experiences a force. The direction of force can be determined by Fleming's left hand rule.

**Where do iron losses mainly take place in DC generator?** In the DC motor, iron losses occur in armature because the armature core is made of iron and it rotates in a magnetic field. Hence a small current gets induced in the core. Due to this current, eddy current losses and hysteresis losses occur in the armature iron core.

**What are the main objective of a machine?** They can be tools of quantification, measure, calculation, and potentially control in the workplace 1. Electrical machines have improved the efficiency, safety, and flexibility of factories 2. Machines provide a system and interface for developing, deploying, and iterating on analytical models.

**What is the main purpose of DC?** Direct current is used in any electronic device with a battery for a power source. It is also used to charge batteries, so rechargeable devices like laptops and cell phones come with an AC adapter that converts alternating current to direct current.

**Why is DC better than AC?** DC HVAC motors operate at least 50% more efficiently than AC motors, so this switch alone saves a significant amount of energy. Integrating more DC power distribution systems into our way of life creates an incentive for more DC-powered technologies capable of increasing efficiency within buildings.

**Why we use DC machine instead of AC machine?** Because DC motors have higher starting torque compared to AC motors, they are preferred for applications like electrical traction. They are considered ideal for dealing with heavy loads for starting conditions in machines such as locomotives and cranes.

**Which motor is more efficient, AC or DC?** DC motors have lower efficiency but high controllability and starting torque. AC motors have higher efficiency but lower controllability and starting torque. BLDC motors offer high efficiency, controllability, and starting torque, but are typically more expensive.

**What are the objectives of DC generator?** A DC generator is an electrical machine whose main function is to convert mechanical energy into electricity.

**What is the function of the DC machine?**  $E = n.P \cdot \frac{Z}{A}$  The above equation is the e.m.f. the equation of the DC machine. We know that the main function of a DC machine is to convert mechanical energy to electrical energy.

**What is the objective of DC power supply?** The objective of a power supply is to power the load with the proper voltage and current.

**What is the purpose of the DC motor?** The term 'DC motor' is used to refer to any rotary electrical machine that converts direct current electrical energy into mechanical energy. DC motors can vary in size and power from small motors in toys and appliances to large mechanisms that power vehicles, pull elevators and hoists, and drive steel rolling mills.

**What is an API ArcGIS?** An ArcGIS API is a web, native, game engine, or scripting API that has advanced mapping and spatial analysis capabilities and can be used to access ArcGIS services . ArcGIS APIs are designed to work optimally with the ArcGIS system and provide the most advanced GIS features and the highest performance possible.

**Is ArcGIS API for JavaScript free?** The JavaScript API is hosted by Esri and is available for free use, please read the Terms of Use - FAQ for more info. Note: The code for the ArcGIS API for JavaScript cannot be modified.

**What is ArcGIS JavaScript API symbol playground?** This app allows you to experiment with creating and modifying various symbols that may be used to represent data in the ArcGIS API for JavaScript. Select a symbol type and change its properties using the UI elements of the app.

**What is ArcGIS API for JavaScript?** ArcGIS Maps SDK for JavaScript, previously known as ArcGIS API for JavaScript, is a developer product for building mapping and spatial analysis applications for the web.

**What is an API JavaScript?** An API stands for "Application Programming Interface". It's a way for two different programs, or software components, to communicate with each other. APIs define the protocols and rules for how one component should interact with the other.

**What coding language does ArcGIS Online use?** The ArcGIS REST API works with any scripting language that can make RESTful web service calls through HTTP and parse the responses. This includes Python, Java, JavaScript, PowerShell, C#, Ruby, Scala, Perl, and others. The REST API examples in the ArcGIS Server Help use Python.

**Is JavaScript used in GIS?** The ArcGIS Maps SDK for JavaScript is a powerful mapping and spatial analysis technology that enables developers to build compelling web GIS experiences. At Esri, we use this foundational SDK to develop geospatial applications. These applications enable users to create, analyze, collaborate on, and share their maps.

**What is map JavaScript API?** The Maps JavaScript API is a client-side web API that lets you create maps to show locations anywhere in the world, add your own custom graphics, animations, and interactive custom data layers, and create location-aware features by using the Places API in the Maps JavaScript API.

**Can I use the ArcGIS API for free?** Sign up for an ArcGIS Location Platform account and obtain your API key for use in your applications. While no additional purchase is required for the JavaScript API when using an API key to access content and ArcGIS location services , fees may be required to access some services.

**How to activate Maps JavaScript api?**

**How to work with map in JavaScript?** The complete map() method syntax The syntax for the map() method is as follows: arr. map(function(element, index, array){ }, this); The callback function() is called on each array element, and the map() method always passes the current element , the index of the current element, and the whole array object to it.

**How to access map elements in JavaScript?** The Map. get() method in JavaScript is used for returning a specific element among all the elements which are present in a map. The Map. get() method takes the key of the element to be returned as an argument and returns the element which is associated with the specified key passed as an argument.

**Is map JavaScript API free?** The Maps JavaScript API uses a pay-as-you-go pricing model. Maps JavaScript API requests generate calls to two different SKUs depending on the type of request: map loads or panoramas. Calls to the Places Library, Maps JavaScript API and other JavaScript services are priced separately from JavaScript native SKUs.

**How does ArcGIS API work?** ArcGIS API for Python is a Python library for performing GIS visualization and analysis, spatial data management, and GIS system administration tasks that can run both in an interactive fashion and using scripts.

**Does ArcGIS have an open API?** Esri's ArcGIS Location Platform is as a platform as a service (PaaS) offering that enables the following third-party, open source

JavaScript mapping APIs to easily leverage ArcGIS REST services.

**Can I build API with JavaScript?** js to build RESTful APIs. Create and configure middleware to add things like logging, authentication and authorization, and other web development technologies. This module uses JavaScript (CommonJS) with the Express.js server framework in the Node.

**How to insert API in JavaScript?**

**How to create an API for beginners?**

**What is the best language for ArcGIS?** Python is the scripting language used by ArcGIS.

**What code is ArcGIS written in?** The primary differences are that ArcGIS Pro uses Python 3 and other ArcGIS products use Python 2, and ArcPy has some differences in the tools it includes. For example, the `arcpy.mapping` module is replaced by the `arcpy.mp` module.

**What is the most commonly used programming language for GIS?** Python is the standard programming language for ArcGIS and other fields such as remote sensing, GPS, spatial modeling, and statistical analysis. A Python Primer for ArcGIS(r) combines fundamental Python programming structures to help professionals automate common geoprocessing functions.

**How to install ArcGIS API for JavaScript?** Download and install the JavaScript API Sign in using Esri Global Account credentials. Under the ArcGIS Web SDKs (Download for Hosting Locally) section, download both the API and Documentation.

**What is the latest ArcGIS API for JavaScript?** The latest release in the 3. x series of ArcGIS API for JavaScript is version 3.40. It was released on March 22, 2022, directly into Extended support.

**What is Map called in JavaScript?** What is `map()` in JavaScript? In JavaScript, `map()` is a method of the Array object. It creates a new array by calling a function on every element of the original array and storing the results in a new array. `map()` returns the new array, and the original array is unchanged.

**How do I enable JavaScript API in maps?**

**How to implement map in JavaScript?**

**Why use map instead of for JavaScript?** So, the main difference between a for loop and the map() method is that a for loop allows you to have more control over the iteration process, while the map() method provides a more concise and functional way to transform elements of an array into a new array.

**What are the limits of ArcGIS API?**

**How to create API in ArcGIS?**

**How much does Esri geocoding API cost?** Esri's geocoding API first requires a \$1,5000 yearly subscription to use their service. From there, you pay for credits to use with their geocoding API usage. Based on this credit system, you can perform address geocoding at \$4 per 1,000 geocodes.

**What is an API GIS?** What is a GIS API? The new Geographic Information System (GIS) includes an API, which is short for "application programming interface." The API is a go-between that allows two systems to talk to one another.

**What does API mean in mapping?** API Data Mapping refers to the process of linking different target fields and data structures from different API endpoints to create an effective data integration plan. API, or Application Programming Interface, acts as a contract between two software applications.

**What is an API and how is it used?** APIs are mechanisms that enable two software components to communicate with each other using a set of definitions and protocols. For example, the weather bureau's software system contains daily weather data. The weather app on your phone "talks" to this system via APIs and shows you daily weather updates on your phone.

**What is the use of map API?**

**What is the difference between ArcGIS API for JavaScript and ArcGIS API for Python?** However, the ArcGIS API for Python highlights integration with dataframes and Jupyter Notebooks for visualization and sharing, whereas ArcGIS REST JS

provides APIs for TypeScript or JavaScript applications running on a server, CLI, in a browser, or as a script.

**How do I access ArcGIS API?** To access secure ArcGIS services and resources in ArcGIS Platform , you need to use an access token . The easiest way to get started is to create an API key . Learn more about access tokens and authentication in Security and authentication. In the toolbar, click Run to execute the code.

**How do I map an API?**

**What is the most used map API?** Google Maps is the most popular map API globally, used by organizations, services, and websites.

**What is an example of an API?** The Google Maps API and Twitter API may be among the most widely used API examples, but most software-as-a-service (SaaS) providers offer APIs that let developers write code that posts data to and retrieves data from the provider's site as well.

**What are the four types of APIs?**

**How to create an API for beginners?**

**What is an API for dummies?** APIs, or Application Programming Interfaces, are like a set of rules and protocols that allow different software programs to talk to each other and share data or functionality. For example, when you use a weather app on your phone, it's probably using an API to get the current weather data from a service.

**How to use API in web development?**

**What does API stand for in mapping?** API: Application Programming Interface. A connection between computers or between computer programs; a type of software interface, offering a service to other pieces of software. If you imagine an API as a waiter in a restaurant; OS data is the meal, and your 'table' is your website or app.

**What is map API key?** What is a Google Maps API key? A Google Maps API key is a personal code provided by Google to access Google Maps on this site. Your API key provides you with a free quota of Google Map queries. Your Google account will be automatically billed for any usage that exceeds your quota.

**What is the maps embed API?** The Maps Embed API lets you display Street View images as interactive panoramas from designated locations throughout its coverage area. User contributed Photospheres, and Street View special collections are also available. Each Street View panorama provides a full 360-degree view from a single location.

### **What is the Plot of Lonely Days Written by Bayo Adebawale?**

**Paragraph 1:** Bayo Adebawale's novel, "Lonely Days," explores the struggles and triumphs of young professionals in Nigeria amidst societal pressures and personal aspirations. The story revolves around three main characters: Kayode, Tosin, and Bimpe.

**Paragraph 2:** Kayode is a brilliant and ambitious academic who faces challenges in securing a permanent position at the university. Tosin, a talented lawyer, grapples with the complexities of her career and the weight of expectations from her family. Bimpe, a successful businesswoman, navigates the challenges of juggling work with her personal life.

**Paragraph 3:** As the plot unfolds, the characters navigate a series of personal and professional dilemmas. Kayode faces pressure from his colleagues and superiors, while Tosin struggles to balance her work responsibilities with her desire for a fulfilling personal life. Bimpe faces conflicts within her business and relationships.

**Paragraph 4:** Through their experiences, the characters learn valuable lessons about the nature of ambition, the importance of perseverance, and the challenges of finding fulfillment in life. They discover that true success lies not only in achieving external goals but also in finding meaning and balance in their personal lives.

**Paragraph 5:** Ultimately, "Lonely Days" is a compelling story that explores the complexities of modern life in Nigeria. It delves into themes of ambition, love, friendship, and the search for purpose, leaving readers to reflect on the choices they make and the paths they choose to forge.

**Why did Camilla Townsend wrote Pocahontas and the Powhatan Dilemma?** In Pocahontas and the Powhatan Dilemma, historian Camilla Townsend attempts to revise the inaccurate, racist, and harmful cultural myths about Pocahontas, the



Powhatan people, and the colonization of the Virginia Tidewater region—known as Tsenacomoco to the Algonkian-speaking tribes native to the area.

**What is the topic of Pocahontas and the Powhatan Dilemma?** Throughout Pocahontas and the Powhatan Dilemma, Townsend seeks to show her readers how communication between the Algonkian tribes of the Tsenacomoco region and the English settlers who arrived on their lands in the early 1600s functioned—and failed.

**What was the significance of Pocahontas and Powhatan?** Pocahontas Saves John Smith Again Pocahontas became known by the colonists as an important Powhatan emissary. She occasionally brought the hungry settlers food and helped successfully negotiate the release of Powhatan prisoners in 1608. But relations between the colonists and the Indians remained strained.

**How old was Pocahontas when she married John Smith?** During her captivity, she was encouraged to convert to Christianity and was baptized under the name Rebecca. She married the tobacco planter John Rolfe in April 1614 at the age of about 17 or 18, and she bore their son, Thomas Rolfe, in January 1615.

**What is historically inaccurate about Pocahontas?** The idea that Pocahontas had no choice in her life (as Disney makes it seem) and had to follow her father's wishes is untrue and creates an image of Chief Powhatan that suggest he was apart of a patriarchal society.

**What is the main problem in Pocahontas?** Perhaps the most obvious manifestation of the racism in Pocahontas is in the movie's use of terms such as “savages,” “heathens,” “pagans,” “devils,” and “primitive.” These terms reflect something wild and inferior, and their use implies a value judgment of white superiority.

**How did Pocahontas new marriage change the relationship between the English and the Powhatan tribe?** In 1614, Pocahontas converted to Christianity and was baptized "Rebecca." In April 1614, she and John Rolfe married. The marriage led to the "Peace of Pocahontas;" a lull in the inevitable conflicts between the English and Powhatan Indians. The Rolfes soon had a son named Thomas.

**What led to the downfall of the Powhatan tribes?** Powhatan War, (1622–44), relentless struggle between the Powhatan Indian confederacy and early English settlers in the tidewater section of Virginia and southern Maryland. The conflict resulted in the destruction of the Indian power.

**What did Powhatan realize?** He quickly realized that the English were done exploring and were starting to colonize which would cause the Natives to have to move. He took the action to stop providing food for the English. What did Chief Powhatan quickly realize AND what action did he take?

**Why did Pocahontas not marry John Smith?** In reality, Pocahontas too young for romance when she met Smith, and she didn't prevent his death. The pair did have a relationship, but it was possibly more like brother and sister and political in nature, according to historian David Silverman of George Washington University. Pocahontas was born around 1596.

**Who did Pocahontas fall in love with?** On April 5, 1614, Pocahontas and John Rolfe married with the blessing of Chief Powhatan and the governor of Virginia. Their marriage brought a peace between the English colonists and the Powhatans, and in 1615 Pocahontas gave birth to their first child, Thomas.

**What is the true story behind Pocahontas?** Pocahontas was a proud Indigenous woman, the daughter of a Powhatan Chief, and a model of strength and courage. But during her life, she was kidnapped, traded for property and sexually assaulted, explains Lauren DeLeary, tribal member of the Chippewa of the Thames. "She wasn't just a story."

**What is the age difference between Pocahontas and John Smith Disney?** Pocahontas' love story with John Smith is one of the only Disney relationships not to have a happy ending. In the film, she's 18, and John Smith is 20 - but in real life, John Smith and Pocahontas are thought to have only met a handful of times.

**What happened to Pocahontas' first child?** Some Powhatan oral traditions state that Pocahontas's first son survived and was raised by Mattaponi women. Some Mattaponi Powhatan families, notably the Newtons, claim descent from him. Wayne Newton, the famous Las Vegas entertainer, is part of this family.

**How old was Pocahontas in Disney?** While the real Pocahontas was eleven or twelve years old upon meeting John Smith, she is depicted as being around eighteen or nineteen years of age in the film, according to her supervising animator Glen Keane.

**Is there bias in Pocahontas?** The Indian princess stereotype is rooted in the legend of Pocahontas and is typically expressed through characters who are maidenly, demure and deeply committed to some White man." Pewewardy, a Comanche-Kiowa who has taught many Native American students, points out that this Hollywood image "forces young viewers to ...

**Are there any real pictures of Pocahontas?** It is trying to show people in England that the attempts to colonise America were successful and that the relationship between the English colonisers and the Indigenous Americans was strong. Only one portrait is known to have been made of Pocahontas during her lifetime, a print made by Simon de Passe in London in ...

**Why did Disney change the facts about Pocahontas?** Disney would change the facts about Pocahontas because it would fit better in the movie. For example Pocahontas was 11 years old and Smith was 28 years old. These two people kissed in the movie and Disney movies aren't supposed to be full of petioles.

**What is Pocahontas syndrome?** Some historians argue that Pocahontas developed Stockholm Syndrome, which is a condition that causes hostages to develop a psychological alliance with their captors as a survival strategy during captivity. Others argue that she and John Rolfe actually fell in love.

**Who is the only Disney princess based on a real person?** The only Disney princess to have been directly inspired by a real person is Princess Pocahontas. She is based on the historical figure Matoaka, who was later known as Rebecca Rolfe. Pocahontas was a Native American woman belonging to the Powhatan tribe in Virginia during the early 17th century.

**Who is the bad person in Pocahontas?** Governor John Ratcliffe is the main antagonist of Disney's 1995 animated feature film Pocahontas.

**Who is the author of Pocahontas and the Powhatan Dilemma?** Camilla Townsend. Pocahontas and the Powhatan Dilemma. The American Portraits Series. New York: Hill and Wang, 2005. 240 pp.

**How did Pocahontas new marriage change the relationship between the English and the Powhatan tribe?** In 1614, Pocahontas converted to Christianity and was baptized "Rebecca." In April 1614, she and John Rolfe married. The marriage led to the "Peace of Pocahontas;" a lull in the inevitable conflicts between the English and Powhatan Indians. The Rolfes soon had a son named Thomas.

**Why is the story of Pocahontas important?** Among the most famous women in early American history, Pocahontas is credited with having helped the struggling English settlers in Virginia survive in the early 1600s.

**What role did Pocahontas play in the relationship between the Powhatans and the English who arrived at Jamestown?** The English who came to Jamestown Island in 1607 resisted his wish that they become another subject community. Pocahontas was directly involved in the relationship between the English and the Powhatan Indians that whipsawed between friendly trade of food and open warfare and kidnapping.

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