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Assignment 1:

Created user Iron man and granted administrative policy.

The screenshot shows the AWS IAM console interface. At the top, there's a header for 'Users (1)' with an 'Info' link. Below it, a description states: 'An IAM user is an identity with long-term credentials that is used to interact with AWS in an account.' There are buttons for 'Delete' and 'Add users'. A search bar is present with the placeholder text 'Find users by username or access key'. Below the search bar is a table with columns: 'User name', 'Groups', 'Last activity', 'MFA', 'Password age', and 'Active key age'. The table contains one entry for 'Ironman' with 'None' for Groups, 'Now' for Last activity, 'None' for MFA, 'Yesterday' for Password age, and '-' for Active key age. Below the table, there are tabs for 'Permissions', 'Groups', 'Tags', 'Security credentials', and 'Access Advisor'. The 'Permissions' tab is selected, showing 'Permissions policies (2 policies applied)'. There is an 'Add permissions' button. Below that, a table lists the attached policies:

Policy name	Policy type
AdministratorAccess	AWS managed policy
IAMUserChangePassword	AWS managed policy

Assignment 2:

Created 3 IAM users of avengers and assign them in developer's groups with IAM policy.

<input type="checkbox"/>	User name	Groups	Last activity
<input type="checkbox"/>	Ironman	developer	✓ 13 days ago
<input type="checkbox"/>	Thanos	developer	Never
<input type="checkbox"/>	Thor	developer	Never

Assignment 3:

Prepare 15 authentic MCQ questions related to IAM

1. What are IAM roles and how do they work?
2. Why should I use IAM roles?
3. What are IAM users and should I still be using them?
4. What are IAM policies?
5. How do I grant access to services and resources by using IAM?
6. How do I create IAM policies?
7. What are AWS managed policies and when should I use them?
8. What are customer managed policies and when should I use them?
9. What are inline policies and when should I use them?

10. What are resource-based policies and when should I use them?
11. What is role-based access control (RBAC)?
12. How do I grant access with RBAC?
13. What is attribute-based access control (ABAC)?
14. How do I grant access by using ABAC?
15. How do I restrict access by using IAM?

Assignment 4:- Launch your linux instance in IAM and update your machine.

```
Last login: Thu Dec  8 07:44:35 2022 from 18.206.107.28
ubuntu@ip-172-31-18-220:~$ sudo -s
root@ip-172-31-18-220:/home/ubuntu# apt-get dist-upgrade
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Calculating upgrade... Done
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
root@ip-172-31-18-220:/home/ubuntu#
```