Module 1: AWS Architecture and Services

Use the provided URLs to get information about the AWS global architecture and the free services they provide.   Further details about AWS features and services can be found at the AWS Documentation website: (https://docs.aws.amazon.com/):

1. What does the Global AWS Architecture look like?
    (https://aws.amazon.com/about-aws/global-infrastructure/regions_az/)
    - How many Regions are available Globally?
    - What are some AWS Services that are delivered globally rather than regionally?
    - True or False?   An Availability Zone is a single discrete data center with redundant power, networking, and connectivity in an AWS region.

2. What services and features can you use for free in AWS?   (Note: "Always Free" vs "12 Months Free")   (https://aws.amazon.com/free/)

    - What size instances are available for the compute free tier?
    - What limitations are in place for the 5GB free tier on S3?
    - How much free compute time is available for AWS Lambda per month?
    - How can you create a free AWS account?

3. Control AWS account costs by using "Budget Actions":
    https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/budgets-managing-costs.html

4. AWS CLI can be used to manage objects (https://aws.amazon.com/cli/):
    a. aws s3 mb s3://[new_bucket_name1]
    b. aws s3 cp c:file1.txt s3://[new_bucket_name1]
    c. aws s3 ls

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