Cloud Computing Assignment :-01

Ques Discuss each of Google Cloud Services in 2-3 lines mentioned in following table :-

Service Category	Service	AWS	Google Cloud
Compute	Iaas	Amazon Elastic	Compute Engine
	Paas	compute cloud	App Engine
	Faas	Aws Elastic Beanstalk	Cloud Function
		Amazon Elastic Kubernetes	
		Aws Lambda	
Containers	Caas	service, Amazon Elastic Container Service	Google Kubernetes Engine
	Container without infrastructure	Aws Fargate	Cloud Run
	container registry	Amazon Elastic Container Registry	Container Registry
Networking	Virtual networks	Amazon virtual Private cloud	Google Domain
	Load balancer	Elastic Load Balancer	Cloud DNS
	Dedicated interconnect	Aws Direct connect	Cloud CDN
	Domain and DNS	Amazon Route 53	Google cloud Armor
	CDN	Amazon cloud Front	Cloud storage
	DDoS firewall	Aws sheild, Aws WAF	

Storage	Object storage	Amazon Simple Storage Service	Persistent Disk
	Block storage		cloud Storage
	Reduced-availability storage	Amazon simple storage store	Nearline and cloud Storage
	Archival storage	Amazon S3 standard	coldline
	File storage	Infrequent	cloud Storage
	In-memory data store	Access, Amazon S3 One Zone Infrequent Access	Archive
			Filestore
		Amazon Glacier	Memory store
		Amazon Elastic File system	
Database	RDBMS	Amazon Relational Database Service,	cloud SQL, cloud Spanner
	NOSQL: Key-value	Amazon Aurora	Firestore, cloud
	NOSQL: Indexed	Amazon Dynamo DB	Bigtable
	In-memory data store	Amazon Simple DB	Firestore
		Amazon ElastiCache for Redishift	Memory store
Data Analytics	Data warehouse	Amazon Redshift	Big Query
	Query service	Amazon Athena	Big Query
	Messaging	Amazon Simple Notification service	Pub/Sub
	Batch processing		Dataproc, Dataflow
	Stream processing	Amazon Elastic Reduce Map, Aws Batch	Dataflow
	Stream ingest	Aws Kinesis	Pub/Sub
	Workflow orchestration	Amazon Data Pipeline	cloud composer

Teacher's Signature

Management tools	Deployment	Aws cloudFormation	Cloud Deployment Manager
	Cost management	Aws Budgets	Cost management
Operations	Monitoring	Aws cloudWatch	Cloud Monitoring
	logging	Aws cloudWatch Logs	Cloud Logging
	Audit logging	Aws Cloud Trails	Cloud Audit logs
	Debugging	AWS X-Ray	Cloud Debugger
	Performance tracing	AWS X-Ray	Cloud Trace
Security And Identity	IAM	Amazon Identify and Access Management	Cloud Identity & Access Management.
	secret Management	Aws secret Manager	Secret Manager
	Encrypted Keys	Aws. Key Management service	Cloud Key Management service
	Resource Monitoring		
	Vulnerability scanning	Aws config	
	Threat detection	Amazon Inspector	
	Microsoft Active Directory	Amazon Greard Duty	Cloud Access Inventory
		Aws Directory service	Web security Scanner
			Event threat Detection (Beta)
			Managed service for Microsoft Active Directory.