

Description Q1:

The project has a Queue-Worker architecture. Client will create SQS queue called '**request queue**' on AWS then get the name to send requests on it. The client will be asked to inter comma separated integers this will be send to request queue on AWS. On the worker side the worker will start by creating SQS queue called '**Response queue**' and try to get the request queue by its name to see if there is any message on it. If there is any message it will get the message with the sender id and calculate the result then forward it to response queue which is created by itself. Additionally, the worker will create this log file on **amazon S3**. In all this time the client will wait the response of the worker. Then get response queue by its name and match if there is any response which is similar to its request id this a worker that performs tasks.

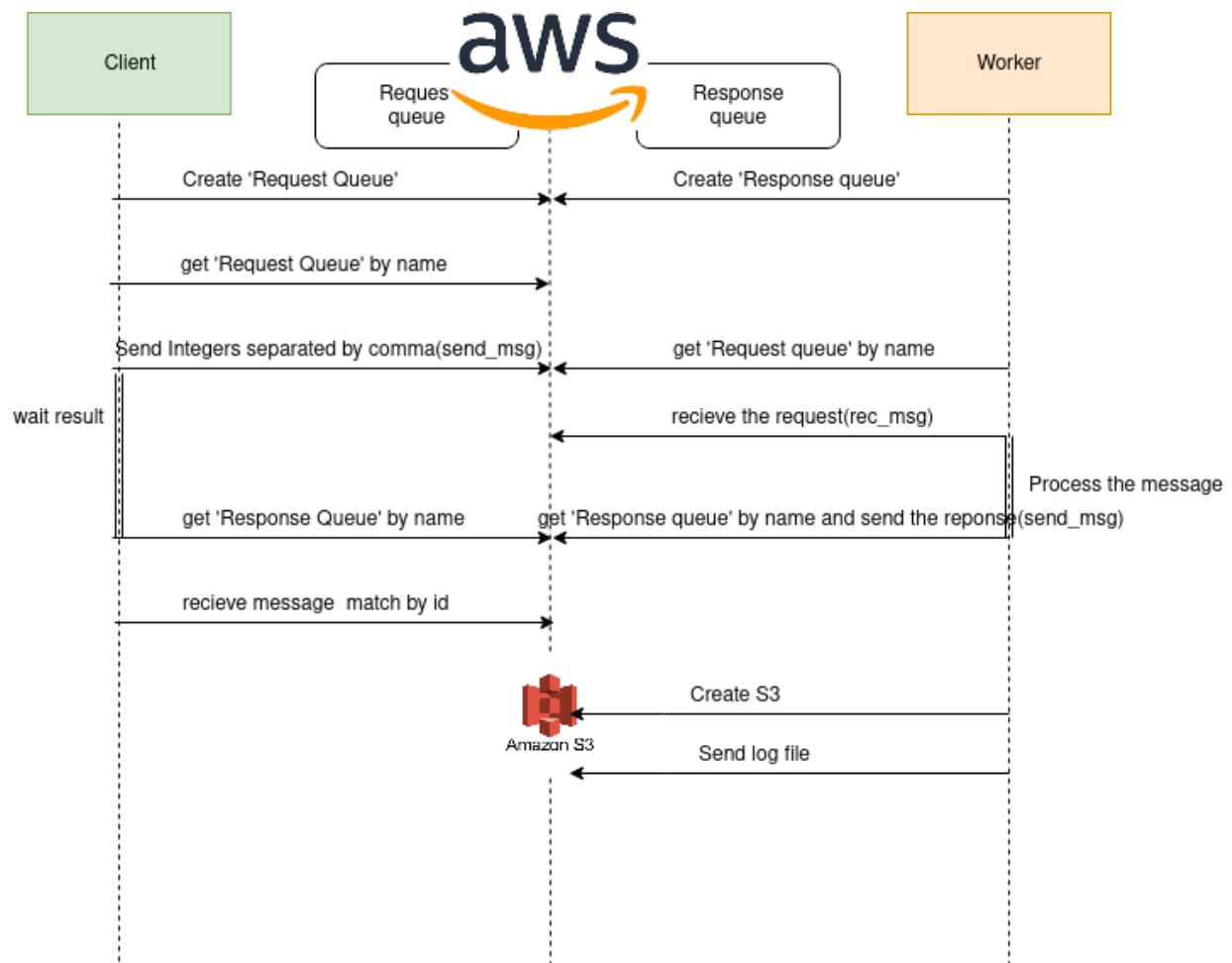


Fig:Sequence diagram for question 1.