**21 - WCF Assignment - 1**

|  |
| --- |
| **WCF Service Task1**  Create a WCF service will implement following methods  Define OperationContract named SayHello should take name as argument and return the wishes (Good Morning or Good Afternoon or Good Evening) based on time  Define OperationContract named TodayProgram should take name as argument and return the Happy weekend or Enjoy Working day  Define two end point for TCP and HTTP  Use self-hosting to host the service  Consume the service in ASP.NET MVC  Design web form with two button  First button should invoke using http request  Second button should invoke using TCP request |
| **Source:**        **SelfHostController.cs**    **Index.aspx**    **Web.config**    **Proxy Class** |
| **Output:**      **Http Call:**    **Tcp Call:** |
| **WCF Service Task2**  Job Openings  Create a WCF service will implement following methods  Define OperationContract OpeningJobs return the list of openings  Define OperationContract OpeningJobsByRole return the list of openings on specified role given in the parameter  Host the Service in IIS  Consume the service in ASP.NET MVC  Design web form with two button  First button should invoke using http request |
| **Source:**  **WCF Service Project:**      **Web.config**      **MVC Client**  **JobController**      **View**    **Model** |
| **Output:**   * **JobService Deployment**      * **JobService Output**       **Get all jobs connected through http**    **Get jobs by role connected through TCP** |
| 2. Create a WCF service to depict simple calculator with addition, subtraction features and deploy and consume the service |
| **Source:**      **Client:** |
| **Output:**  CalcService Deployment    CalcService Output: |