JSON[ Java Script Object Notation]

**What is the use Json ?**

**JSON** is very commonly used concept in MVC and other technology. It is a data interchange medium and a very light weighted code between client and server. It is language independent so any technology and language can use the concept of JSON. It is mainly use when AJAX call and functionality implement in project so it provide the partial rendering without refreshing the entire heavy page of web page it can transfer the data to server as well it can receive the data from server.

**JsonResult is actually a special ActionResult , which suggest the View Engine that the object of JSON type will be returned rather than normal HTML**

1. JSON objects are surrounded by curly braces {}.
2. JSON objects are written in key/value pairs.
3. Keys and values are separated by a colon.

$(document).ready(function () {

jsonobj = { "name": "Raman", "Age": "24", "Marks": "90" };

var res = "";

res += "Name " + jsonobj.name + "<br>";

res += "Age " + jsonobj.Age + "<br>";

res += "Marks " + jsonobj.Marks;

$("#div1").html(res); });

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**JSON OBJECT AS ARRAY**

jsonobj = [{ "Name": "Mahira", "Age": "24", "City": "Mumbai" }, { "Name": "Raj", "Age": "34", "City": "Lucknow" }];

for(i=0;i<=1;i++)

{

res += jsonobj[i].Name + "<br>";

res += jsonobj[i].Age + "</br>";

res += jsonobj[i].City + "</br>";

res += "\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_</br>";

}

$("#div1").html(res);

jsonobj = [{ "name": "Raman", "Age": "24", "Marks": "90" }, { "name": "Ram", "Age": "30", "Marks": "95" }];

var res = "";

for (i = 0; i < jsonobj.length; i++)

{

res+=(jsonobj[i].name + " " + jsonobj[i].Age + " " + jsonobj[i].Marks+"<br>");

}

$("#div1").html(res);

**View Coading**

$.getJSON("/Admin/GetAttendence", {Rn:rollno,Atten:attendance}, function (msg) {

if (msg == "success")

alert("saved records");

})

**Controller Method**

public ActionResult GetAttendence(string Rn, string Atten)

{

string msg = "success";

return Json(msg, JsonRequestBehavior.AllowGet);

//return View();

}

**Insertion and searching Using Json**

$(document).ready(function () {

$("#btn").click(function () {

var name, marks;

nam = $("#name").val();

marks = $("#marks").val();

$.getJSON("/Home/insertion", { n: nam, m: marks }, function (msg) {

if (msg == "success") {

alert('Record Inserted');

}

else

alert('Record not inserted');

});

**Controller part coading**

public ActionResult insertion(string n,string m)

{

int marks = int.Parse(m);

string msg;

string q = "insert into tbl\_student values('" + n + "','" + marks + "')";

bool j = dm.insertupdatedelete(q);

if (j == true)

msg = "success";

else

msg="failure";

return (Json(msg, JsonRequestBehavior.AllowGet));

}

**Search Record**

$("#searchbtn").click(function () {

var ssid = $("#sid").val();

$.getJSON("/Home/search", { searchid: ssid }, function (msg) {

if (msg == "find") {

$("#span1").html("Record Found Successfully");

}

else {

$("#span1").html("Record Not Found Successfully");

}

});

});

**Controller part coading for search**

public ActionResult search(string searchid)

{

int id = int.Parse(searchid);

string msg;

string q="select \* from tbl\_student where studentid='"+id+"'";

DataTable dt = dm.readbulkdata(q);

if (dt.Rows.Count > 0)

msg = "find";

else

msg = "not found";

return (Json(msg, JsonRequestBehavior.AllowGet));

}