Group 9:
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<u>DBMS Mini Project</u>
DDL & DML commands and queries including backend

Database commands:

```
--
-- Table structure for table `c1`
--

CREATE TABLE `c1` (
  `Adhaar_Number` varchar(12) NOT NULL,
  `category` varchar(15) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--
-- Dumping data for table `c1`
--

INSERT INTO `c1` (`Adhaar_Number`, `category`) VALUES
('123454321678', 'Educator'),
('666555888777', 'Child'),
('666777888555', 'Child'),
('888866664455', 'Child');

-- --------------------------------------------------------


--
-- Table structure for table `c2`
--

CREATE TABLE `c2` (
  `Adhaar_Number` varchar(12) NOT NULL,
  `category` varchar(15) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--
-- Dumping data for table `c2`
```

--

INSERT INTO `c2` (`Adhaar_Number`, `category`) VALUES
('1234567654', 'Child'),
('345678902356', 'Educator'),
('567845673456', 'Child'),
('888866667777', 'Child');

-- --

--
-- Table structure for table `centre`
--

CREATE TABLE `centre` (
  `centre_no` varchar(255) NOT NULL,
  `centre_category` varchar(20) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--
-- Dumping data for table `centre`
--

INSERT INTO `centre` (`centre_no`, `centre_category`) VALUES
('c1', 'male'),
('c2', 'female');

-- --

--
-- Table structure for table `charity`
--

CREATE TABLE `charity` (
  `fund_id` int(11) NOT NULL,
  `organisation_name` varchar(255) NOT NULL,
  `email` varchar(255) NOT NULL,
  `amount` int(11) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--
-- Dumping data for table `charity`

--

INSERT INTO `charity` (`fund_id`, `organisation_name`, `email`, `amount`) VALUES
(1, 'Being Human', 'beingin@gmail.com', 80000);

-- --

--
-- Table structure for table `children`
--

```sql
CREATE TABLE `children` (
  `Name` varchar(50) NOT NULL,
  `Age` int(11) NOT NULL,
  `Annual_income` int(11) NOT NULL,
  `caste` varchar(10) NOT NULL,
  `city` varchar(50) NOT NULL,
  `Gender` varchar(10) NOT NULL,
  `needs` varchar(20) NOT NULL,
  `Adhaar_number` varchar(12) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

--
-- Dumping data for table `children`
--

```sql
INSERT INTO `children` (`Name`, `Age`, `Annual_income`, `caste`, `city`, `Gender`, `needs`, `Adhaar_number`) VALUES
('Shakira', 12, 12000, 'obc', 'Hyderabad', 'female', 'clothes', '1234567654'),
('Zuhayr Khalid', 12, 8000, 'obc', 'pune', 'male', '', '18902211'),
('Persephone', 14, 13987, 'obc', 'Mumbai', 'female', 'clothes', '567845673456'),
('Gavi', 15, 10000, 'SC', 'Pune', 'male', 'stationary', '666555888777'),
('Kiki Camerena', 14, 7999, 'SC', 'Dholakpur', 'male', 'stationary', '666777888555'),
('Diego Silva', 17, 7865, 'obc', 'Delhi', 'male', 'food', '888866664455'),
('Pablo Escobar', 13, 8000, 'OBC', 'Delhi', 'female', '', '888866667777');
```

--
-- Triggers `children`
--
```sql
DELIMITER $$
CREATE TRIGGER `c1_c` AFTER INSERT ON `children` FOR EACH ROW BEGIN
IF (NEW.gender='male') THEN
```

```sql
INSERT into c1 values(NEW.Adhaar_Number,"Child");
ELSE
INSERT into c2 values(NEW.Adhaar_Number,"Child");
END IF;
END
$$
DELIMITER ;

-- ------------------------------------------------


--
-- Table structure for table `donar`
--

CREATE TABLE `donar` (
  `Adhaar_Number` varchar(50) NOT NULL,
  `Donation_id` int(11) NOT NULL,
  `name` varchar(50) NOT NULL,
  `donating` varchar(50) NOT NULL,
  `gender` varchar(10) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--
-- Dumping data for table `donar`
--

INSERT INTO `donar` (`Adhaar_Number`, `Donation_id`, `name`, `donating`, `gender`)
VALUES
('456233455', 1, 'Prathmesh', 'stationary', 'male'),
('111122223333', 5, 'Ronaldo', 'clothes', 'male'),
('444455556666', 6, 'Messi', 'stationary', 'male'),
('888899990000', 7, 'Zara', 'clothes', 'female'),
('111111444444', 8, 'Pep Guardiola', 'food', 'female');

--
-- Triggers `donar`
--
DELIMITER $$
CREATE TRIGGER `archivedonar` BEFORE DELETE ON `donar` FOR EACH ROW insert
into donar_archive
VALUES(old.Adhaar_Number,old.name,old.donating,old.donation_id)
$$
```

```sql
DELIMITER ;
DELIMITER $$
CREATE TRIGGER `need_child` BEFORE DELETE ON `donar` FOR EACH ROW UPDATE
children SET needs=NULL where Adhaar_Number=NULL
$$
DELIMITER ;

-- --------------------------------------------------

--
-- Table structure for table `donar_archive`
--

CREATE TABLE `donar_archive` (
  `Adhaar_Number` varchar(20) NOT NULL,
  `name` varchar(50) NOT NULL,
  `donated` varchar(30) NOT NULL,
  `donation_id` int(11) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--
-- Dumping data for table `donar_archive`
--

INSERT INTO `donar_archive` (`Adhaar_Number`, `name`, `donated`, `donation_id`)
VALUES
('456423456734', 'Pratham', 'clothes', 2),
('890756784532', 'Poharkar', 'clothes', 3),
('890756784532', 'Poharkar', 'clothes', 4);

-- --------------------------------------------------------

--
-- Table structure for table `educator`
--

CREATE TABLE `educator` (
  `Adhaar_Number` varchar(12) NOT NULL,
  `name` varchar(50) NOT NULL,
  `age` int(11) NOT NULL,
  `gender` varchar(10) NOT NULL,
  `centre` varchar(255) NOT NULL,
```

```sql
  `subject` varchar(20) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--
-- Dumping data for table `educator`
--

INSERT INTO `educator` (`Adhaar_Number`, `name`, `age`, `gender`, `centre`, `subject`) VALUES
('123454321678', 'Alan Turing', 35, 'male', 'C1', 'CS'),
('345678902356', 'Marie Curie', 45, 'female', 'C2', 'Chemistry'),
('99999998888', 'hehhe', 67, 'male', 'C1', 'eng');

--
-- Triggers `educator`
--
DELIMITER $$
CREATE TRIGGER `c2_c` AFTER INSERT ON `educator` FOR EACH ROW BEGIN
IF (NEW.gender='male') THEN
INSERT into c1 values(NEW.Adhaar_Number,"Educator");
ELSE
INSERT into c2 values(NEW.Adhaar_Number,"Educator");
END IF;
END
$$
DELIMITER ;

--
-- Indexes for dumped tables
--

--
-- Indexes for table `c1`
--
ALTER TABLE `c1`
  ADD PRIMARY KEY (`Adhaar_Number`);

--
-- Indexes for table `c2`
--
ALTER TABLE `c2`
  ADD PRIMARY KEY (`Adhaar_Number`);
```

```sql
--
-- Indexes for table `centre`
--
ALTER TABLE `centre`
  ADD PRIMARY KEY (`centre_no`);


--
-- Indexes for table `charity`
--
ALTER TABLE `charity`
  ADD PRIMARY KEY (`fund_id`);


--
-- Indexes for table `children`
--
ALTER TABLE `children`
  ADD PRIMARY KEY (`Adhaar_number`);


--
-- Indexes for table `donar`
--
ALTER TABLE `donar`
  ADD PRIMARY KEY (`Donation_id`);


--
-- Indexes for table `donar_archive`
--
ALTER TABLE `donar_archive`
  ADD PRIMARY KEY (`donation_id`);


--
-- Indexes for table `educator`
--
ALTER TABLE `educator`
  ADD PRIMARY KEY (`Adhaar_Number`),
  ADD KEY `FOREIGN` (`centre`) USING BTREE;


--
-- AUTO_INCREMENT for dumped tables
--
```

```
--
-- AUTO_INCREMENT for table `charity`
--
ALTER TABLE `charity`
  MODIFY `fund_id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=2;


--
-- AUTO_INCREMENT for table `donar`
--
ALTER TABLE `donar`
  MODIFY `Donation_id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=9;


--
-- Constraints for dumped tables
--


--
-- Constraints for table `educator`
--
ALTER TABLE `educator`
  ADD CONSTRAINT `fk` FOREIGN KEY (`centre`) REFERENCES `centre` (`centre_no`)
ON DELETE CASCADE ON UPDATE CASCADE;
COMMIT;
```

User Interface:
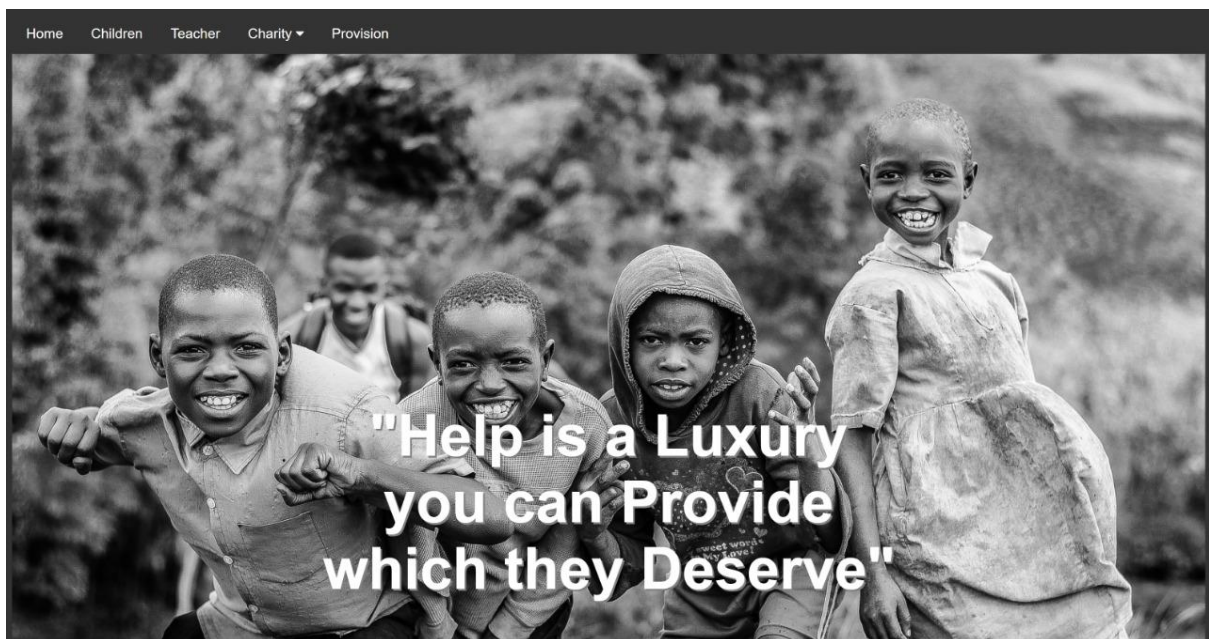
Registration Form

Please fill out this form with the required information

Full Name:

Age (years):

Aadhaar Number:

Annual Income:

City:

Caste:

Needs:

Gender:

Registration Form

Please fill out this form with the required information

Full Name:

Age (years):

Aadhaar Number:

Subject:

Gender:

Submit

Donation ID	Name	Item
5	Ronaldo	clothes

5	clothes	567845673456

Submit

Tables:

| Browse | Structure | SQL | Search | Insert | Export | Import | Privileges | Operations |

Showing rows 0 - 6 (7 total, Query took 0.0002 seconds.)

SELECT * FROM `children`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

				Name	Age	Annual_income	caste	city	Gender	needs	Adhaar_number
☐	Edit	Copy	Delete	Shakira	12	12000	obc	Hyderabad	female	clothes	1234567654
☐	Edit	Copy	Delete	Zuhayr Khalid	12	8000	obc	pune	male		18902211
☐	Edit	Copy	Delete	Persephone	14	13987	obc	Mumbai	female	clothes	567845673456
☐	Edit	Copy	Delete	Gavi	15	10000	SC	Pune	male	stationary	666555888777
☐	Edit	Copy	Delete	Kiki Camerena	14	7999	SC	Dholakpur	male	stationary	666777888555
☐	Edit	Copy	Delete	Diego Silva	17	7865	obc	Delhi	male	food	888866664455
☐	Edit	Copy	Delete	Pablo Escobar	13	8000	OBC	Delhi	female		888866667777

| Browse | Structure | SQL | Search | Insert |

Showing rows 0 - 1 (2 total, Query took 0.0002 seconds.)

SELECT * FROM `centre`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refre

Show all | Number of rows: 25 | Filter rows: Search t

Extra options

				centre_no	centre_category
☐	Edit	Copy	Delete	c1	male
☐	Edit	Copy	Delete	c2	female

Browse　**Structure**　**SQL**　**Search**　**Insert**　**Export**　**Import**

Showing rows 0 - 3 (4 total, Query took 0.0003 seconds.)

```
SELECT * FROM `donar`
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 ∨　Filter rows: Search this table　Sort by key: N

Extra options

←T→	Adhaar_Number	Donation_id	name	donating	gender
☐ 🖉 Edit ⌗ Copy ⊖ Delete	456233455	1	Prathmesh	stationary	male
☐ 🖉 Edit ⌗ Copy ⊖ Delete	444455556666	6	Messi	stationary	male
☐ 🖉 Edit ⌗ Copy ⊖ Delete	888899990000	7	Zara	clothes	female
☐ 🖉 Edit ⌗ Copy ⊖ Delete	111111444444	8	Pep Guardiola	food	female

Browse **Structure** **SQL** **Search** **Insert** **Export**

Showing rows 0 - 3 (4 total, Query took 0.0001 seconds.)

```
SELECT * FROM `donar_archive`
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 ∨   Filter rows: Search this table

Extra options

←T→				Adhaar_Number	name	donated	donation_id
☐	Edit	Copy	Delete	456423456734	Pratham	clothes	2
☐	Edit	Copy	Delete	890756784532	Poharkar	clothes	3
☐	Edit	Copy	Delete	890756784532	Poharkar	clothes	4
☐	Edit	Copy	Delete	111122223333	Ronaldo	clothes	5

Browse **Structure** **SQL** **Search** **Insert** **Export** **Import**

Showing rows 0 - 2 (3 total, Query took 0.0002 seconds.)

```
SELECT * FROM `educator`
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 ∨   Filter rows: Search this table   Sort by key:

Extra options

←T→				Adhaar_Number	name	age	gender	centre	subject
☐	Edit	Copy	Delete	123454321678	Alan Turing	35	male	C1	CS
☐	Edit	Copy	Delete	345678902356	Marie Curie	45	female	C2	Chemistry
☐	Edit	Copy	Delete	99999998888	hehhe	67	male	C1	eng

Browse | Structure | SQL | Search | Inse

✔ Showing rows 0 - 3 (4 total, Query took 0.0002 seconds.)

```sql
SELECT * FROM `c2`
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [R

☐ Show all | Number of rows: 25 ⌄ | Filter rows: Sea

Extra options

←T→				Adhaar_Number	category
☐	✏ Edit	⯮ Copy	⊖ Delete	1234567654	Child
☐	✏ Edit	⯮ Copy	⊖ Delete	345678902356	Educator
☐	✏ Edit	⯮ Copy	⊖ Delete	567845673456	Child
☐	✏ Edit	⯮ Copy	⊖ Delete	888866667777	Child

Browse	Structure	SQL	Search	Insert

✅ Showing rows 0 - 3 (4 total, Query took 0.0002 seconds.)

```sql
SELECT * FROM `c1`
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Ref

☐ Show all | Number of rows: 25 ∨ | Filter rows: Search

Extra options

←T→				Adhaar_Number	category
☐	✏️ Edit	Copy	⊖ Delete	123454321678	Educator
☐	✏️ Edit	Copy	⊖ Delete	666555888777	Child
☐	✏️ Edit	Copy	⊖ Delete	666777888555	Child
☐	✏️ Edit	Copy	⊖ Delete	888866664455	Child

Backend:(app.js)

```js
const express=require("express")
const ejs=require("ejs")
const app=express()
const mysql=require("mysql")
const bodyParser = require("body-parser");
const session=require("express-session")

app.use(express.static("public"))
app.set("view engine","ejs");
app.use(bodyParser.urlencoded({extended:true}));
```

```javascript
app.use(session({secret:"secret",resave: true,
saveUninitialized: true}))

app.get("/",(req,res)=>{
   res.render("pages/home");
})

app.get("/child",(req,res)=>{
   res.render("pages/child");
})

app.post("/register_child",(req,res)=>{
   var adhaar=req.body.adhaar;
   var name=req.body.name;
   var age=req.body.age;
   var income=req.body.income;
   var city=req.body.city;
   var caste=req.body.caste;
   var needs=req.body.needs;
   var gender=req.body.gender;

   var con =mysql.createConnection({
      host: "localhost",
      user: "root",
      password: "",
      port:3307,
      database:"hope1"
    })

   con.connect((err)=>{
     if(err){
        res.send("Error please enter different name or emailid");
        console.log({"err":err});
     }

        console.log("connected");
        console.log(caste);
        console.log(income);

     if(income<40000){
```

```javascript
if(caste.toLowerCase()==="obc"||caste.toLowerCase()==="sc"||caste.toLowerCase()=
==="st"){
        var query="INSERT INTO
children(Adhaar_Number,Name,Age,Annual_Income,city,caste,needs,Gender)
VALUES(?,?,?,?,?,?,?)";

con.query(query,[adhaar,name,age,income,city,caste,needs,gender],(err,result)=>{
        if(!err){
            res.redirect("/");
        }else{
            console.log(err)
        }
    })

    }else{
        res.send({result:"caste not eligible"})
    }}
    else{
        res.send({result:"annual_income is not eligible"})
    }
  })

})
app.get("/receive",(req,res)=>{
  res.render("pages/connect1");})

app.get("/educator",(req,res)=>{
  res.render("pages/educator");
})

app.post("/register_educator",(req,res)=>{
  var adhaar=req.body.adhaar;
  var name=req.body.name;
  var age=req.body.age;
  var gender=req.body.gender;
  var subject=req.body.subject;

  var con =mysql.createConnection({
     host: "localhost",
     user: "root",
     password: "",
```

```javascript
      port:3307,
      database:"hope1"
    })

    con.connect((err)=>{
      if(err){
        res.send("Error please enter different name or emailid");
        return console.log({"err":err});
      }

        console.log("connected");

        var centre;
        var g=gender.toLowerCase();
        console.log(g);
        if(gender.toLowerCase()=="male"){
          centre="C1";
        }
        else{
          centre="C2";
        }

        var query="INSERT INTO
educator(Adhaar_Number,name,age,gender,centre,subject) VALUES(?,?,?,?,?,?)";
        con.query(query,[adhaar,name,age,gender,centre,subject],(err,result)=>{
          if(!err){
            res.redirect("/");
          }else{
            console.log(err)
          }
        })

      })
    })

// app.post("/register_educator",(req,res)=>{

//    var adhaar=req.body.adhaar;
//    var name=req.body.name;
//    var age=req.body.age;
//    var gender=req.body.gender;
//    var centre="";
```

```javascript
//    var subject=req.body.subject;


//    var con =mysql.createConnection({
//        host: "localhost",
//        user: "root",
//        password: "",
//        port:3307,
//        database:"hope1"
//      })




//    con.connect((err)=>{
//        if(err){
//            res.send("Error please enter different name or email-id");
//            console.log({err:err});
//        }
//        else{
//            var g=gender.toLowerCase();
//            console.log(g);
//            if(gender.toLowerCase()=="male"){
//                centre="C1";
//            }
//            else{
//                centre="C2";
//            }
//            var query="INSERT INTO
educator(Adhaar_Name,name,age,gender,centre,subject) VALUES (?,?,?,?,?,?)";
//            var values= [adhaar,name,age,gender,centre,subject];
//            console.log(values);
//            con.query(query,values,(err,result)=>{
//                res.send("inserted");
//            })
//        }
// })
// })

app.get("/charity",(req,res)=>{
    res.render("pages/charity");
})
```

```
app.post("/charity_funds",(req,res)=>{
   var organisation_name=req.body.organisation_name;
   var email=req.body.email;
   var amount=req.body.amount;


   var con =mysql.createConnection({
      host: "localhost",
      user: "root",
      password: "",
      port:3307,
      database:"hope1"
    })


   con.connect((err)=>{
      if(err){
         res.send("Error occurred");
         console.log({err:err});
      }else{
         var query="INSERT INTO charity(organisation_name,email,amount) VALUES
?";
         var values=[[organisation_name,email,amount]];
         con.query(query,[values],(err,result)=>{
            if(!err){
            res.redirect("/")}
            else{
               res.send(err);
            }
         })
         con.end();
      }
   })
})

app.get("/donar",(req,res)=>{
   res.render("pages/donar");
})
app.post("/donation",(req,res)=>{

   var adhaar_number=req.body.adhaar;
   var name=req.body.name;
```

```javascript
    var donate=req.body.donate;
    var gender=req.body.gender;

    var con =mysql.createConnection({
        host: "localhost",
        user: "root",
        password: "",
        port:3307,
        database:"hope1"
    })

    con.connect((err)=>{
        if(err){
            res.send("Error occurred");
            console.log({err:err});
        }
        else{

            var query="INSERT INTO donar(Adhaar_Number,name,donating,gender)
VALUES ?";
            var values=[[adhaar_number,name,donate,gender]];

            con.query(query,[values],(err,result)=>{
                if(!err){
                    res.redirect("/")
                    console.log(values);
                }
                else{
                    res.send(err);
                }
            })

        }
    })

})



app.post("/connect",(req,res)=>{
    var adhaar=req.body.adhaar;
```

```javascript
var con =mysql.createConnection({

  host: "localhost",
  user: "root",
  password: "",
  port:3307,
  database:"hope1",
  multipleStatements: true
})

con.connect((err)=>{
  if(err){
    res.send("Error occurred");
    console.log({err:err});
  }
  else{
    var query="SELECT needs from children where Adhaar_Number=?";
    var value=[adhaar];
    con.query(query,[value],(err,result)=>{
      console.log(result[0]);
      var string=JSON.stringify(result);
      console.log(string);
      var json=JSON.parse(string);
      console.log(json)
      console.log(json[0].needs);
      var needs=json[0].needs;
      query1="SELECT * from donar where donating=? LIMIT 1";
      con.query(query1,[needs],(err,result1)=>{
        if(!err){
        console.log(result1);

res.render("pages/connect",{result1:result1,needs:needs,child_adh:req.session.adhaar});
        }
        else{
          console.log(err);
        }
      })
    })
  }
})
```

```javascript
        req.session.adhaar=adhaar;
        //req.session.needs=needs;

})

app.post("/approve",(req,res)=>{
    var donation_id=req.body.donation_id;
    var needs=req.body.needs;
    var child_adhaar=req.body.child_adhaar;
    var con =mysql.createConnection({

        host: "localhost",
        user: "root",
        password: "",
        port:3307,
        database:"hope1",
        multipleStatements: true
    })

    con.connect((err)=>{
        if(err){
            res.send("Error occurred");
            console.log({err:err});
        }
        else{
            var query="DELETE FROM donar where Donation_id=?";
            var values=[donation_id];
            con.query(query,[values],(err,result)=>{
                if(!err){
                    console.log("atleast deleted");
                    var query1="UPDATE children set needs=" where Adhaar_Number=?"
                    var value1=[child_adhaar];
                    con.query(query1,[value1],(err,result1)=>{
                        console.log(result1);
                        res.redirect('/')
                    })
                    console.log(result);
                }
                else{
                    console.log(err)
                }
            })
```

```javascript
            }
        })

        req.session.needs=null;
        req.session.adhaar=null;

    }

)

app.get("/admin_children",(req,res)=>{

    var con =mysql.createConnection({

        host: "localhost",
        user: "root",
        password: "",
        port:3307,
        database:"hope1",
        multipleStatements: true
     })

    con.connect((err)=>{
        if(err){
            res.send("Error occurred");
            console.log({err:err});
        }
        else{
            con.query("Select * from children",(err,result)=>{
                //res.send(result)
                res.render("pages/admin_ch",{result:result})
            })
        }

})
})

app.get("/admin_educator",(req,res)=>{

    var con =mysql.createConnection({

        host: "localhost",
```

```javascript
        user: "root",
        password: "",
        port:3307,
        database:"hope1",
        multipleStatements: true
     })

    con.connect((err)=>{
       if(err){
          res.send("Error occurred");
          console.log({err:err});
       }
       else{
          con.query("Select * from educator",(err,result)=>{
             res.render('pages/admin_edu',{result:result})
          })
       }

    })
})

app.get("/admin_donar",(req,res)=>{

    var con =mysql.createConnection({

        host: "localhost",
        user: "root",
        password: "",
        port:3307,
        database:"hope1",
        multipleStatements: true
     })

    con.connect((err)=>{
       if(err){
          res.send("Error occurred");
          console.log({err:err});
       }
       else{
          con.query("Select * from donar",(err,result)=>{
             //res.send(result)
             res.render('pages/admin_donar',{result:result})
```

```
        })
    }

})
})

app.listen(3000,()=>{
    console.log("listening")
})
```