Source Code:

```
import React, { useState } from "react";
import { votingContract } from "../utils/constants";

function Voting() {
  const [CandidateName, setCandidateName] = useState("");
  const [CandidateAge, setCandidateAge] = useState("");
  const [CandidateID, setCandidateID] = useState("");
  const [VoterID, setVoterID] = useState("");
  const [VoterName, setVoterName] = useState("");
  const [VoterAge, setVoterAge] = useState("");
  const [VoterVoteID, setVoterVoteID] = useState("");
  const [PartyID, setPartyID] = useState("");
  const [VoteCount1, setVoteCount1] = useState("");
  const [VoteCount2, setVoteCount2] = useState("");
  const [VoteCount3, setVoteCount3] = useState("");
  const [HighestCount, setHighestCount] = useState("");

  const handleCandidatename = (e) => {
    setCandidateName(e.target.value);
  };

  const handleCandidateAge = (e) => {
    const value = e.target.value.replace(/\D/g, "");
    setCandidateAge(Number(value));
  };

  const handleCandidateID = async (e) => {
    const value = e.target.value.replace(/\D/g, "");
    setCandidateID(Number(value));
  };

  const handleCandidateRegistration = async (e) => {
    e.preventDefault();
    const enrollCanddidateTx = await votingContract.enrollCandidate(CandidateID, CandidateName, CandidateAge);
    await enrollCanddidateTx.wait();
    console.log(enrollCanddidateTx);
```

```javascript
      alert(enrollCanddidateTx.hash);
   };

   const handleVoterID = async (e) => {
      const value = e.target.value.replace(/\D/g, "");
      setVoterID(Number(value));
   };

   const handleVoterName = (e) => {
      setVoterName(e.target.value);
   };

   const handleVoterAge = async (e) => {
      const value = e.target.value.replace(/\D/g, "");
      setVoterAge(Number(value));
   };

   const handleVoterRegistration = async (e) => {
      e.preventDefault();
      const enrollVoterTx = await votingContract.enrollVoter(VoterID, VoterName
, VoterAge);
      await enrollVoterTx.wait();
      console.log(enrollVoterTx);
      alert(enrollVoterTx.hash);
   };

   const handlePartyID = async (e) => {
      setPartyID(Number(e.target.value));
   };

   const handleVoterVoteID = async (e) => {
      const value = e.target.value.replace(/\D/g, "");
      setVoterVoteID(Number(value));
   };

   const handleVote = async (e) => {
      e.preventDefault();
      const voteTx = await votingContract.vote(PartyID, VoterVoteID);
      await voteTx.wait();
      console.log(voteTx);
```

```javascript
    alert(voteTx.hash);
  };

  const handleQuery1 = async (e) => {
    let vote = Number(e.target.id);
    const voteCountTx = await votingContract.getVotecountOf(vote);
    setVoteCount1(voteCountTx.toString());
  };

  const handleQuery2 = async (e) => {
    let vote = Number(e.target.id);
    const voteCountTx = await votingContract.getVotecountOf(vote);
    setVoteCount2(voteCountTx.toString());
  };

  const handleQuery3 = async (e) => {
    let vote = Number(e.target.id);
    const voteCountTx = await votingContract.getVotecountOf(vote);
    setVoteCount3(voteCountTx.toString());
  };

  const handleResult = async () => {
    let number1 = await votingContract.getVotecountOf(1);
    let number2 = await votingContract.getVotecountOf(2);
    let number3 = await votingContract.getVotecountOf(3);

    let num1 = number1.toString();
    let num2 = number2.toString();
    let num3 = number3.toString();

    if (num1 > num2 && num1 > num3) {
      setHighestCount("BJP");
    } else if (num2 > num1 && num2 > num3) {
      setHighestCount("TRS");
    } else if (num3 > num1 && num3 > num2) {
      setHighestCount("Congress");
    } else {
      setHighestCount("");
    }
  };
```

```jsx
    return (
      <div>
        <div className="flex flex-row space-x-52 mt-10 ml-96">
        <div>
            <div className="mt-14 ">
              <h3 className="text-2xl">Candidate Registration</h3>
              <form onSubmit={handleCandidateRegistration}>
                <div className="form-group mb-6">
                  <div className="mt-3"></div>
                  <div className="space-y-2">
                    <div>
                      <label>
                        Candidate ID
                        <select className="w-64 ml-2 rounded-full text-slate-900" value={CandidateID} onChange={handleCandidateID}>
                          <option name="BJP">1</option>
                          <option name="TRS">2</option>
                          <option name="CONGRESS">3</option>
                        </select>
                      </label>
                    </div>
                    <div>
                      <label>
                        Candidate Name
                        <span>
                          <input className="ml-2 rounded-full text-slate-900" value={CandidateName} onChange={handleCandidatename} />
                        </span>
                      </label>
                    </div>
                    <div>
                      <label>
                        Candidate age
                        <span>
                          <input className="ml-2 rounded-full text-slate-900" value={CandidateAge} onChange={handleCandidateAge} />
                        </span>
                      </label>
                    </div>
```

```
            </div>
            <input className="bg-blue-500 hover:bg-blue-900 text-
white font-bold py-1 px-2 rounded-full mt-4" type="submit" value="Register" />
          </div>
        </form>
      </div>
      <div className="mt--14">
        <h3 className="text-2xl">Voter Registration</h3>
        <form onSubmit={handleVoterRegistration}>
          <div>
            <label>
              VotedID
              <span className="ml-2 mr-2 ">
                <input className="rounded-full text-slate-
900" value={VoterID} onChange={handleVoterID} />
              </span>
            </label>
          </div>
          <div className="mt-2">
            <label>
              Voter Name
              <span className="ml-2 mr-2 ">
                <input className="rounded-full text-slate-
900" value={VoterName} onChange={handleVoterName} />
              </span>
            </label>
          </div>
          <div className="mt-2">
            <label>
              Voter Age
              <span className="ml-2 mr-2 ">
                <input className="rounded-full text-slate-
900" value={VoterAge} onChange={handleVoterAge} />
              </span>
            </label>
          </div>

            <button className="bg-blue-500 hover:bg-blue-900 text-
white font-bold py-1 px-2 rounded-full mt-2">Register</button>
        </form>
```

```jsx
          </div>
        </div>
        <div>
          <form onSubmit={handleVote}>
            <p className="text-2xl">Vote</p>
            <div>
              <div>
                <img
                  className="max-w-sm max-h-40 full-auto"
                  src="https://encrypted-
tbn0.gstatic.com/images?q=tbn:ANd9GcT1PeilVpA3QSlwxU5Z34Oc1Y-
x_Idy3bU8nLrhTLtUhQ&s"
                  alt="BJP"
                />
              </div>
              <div>
                <input
                  className="form-check-input appearance-none rounded-
full h-4 w-4 border border-black border-x-2 border-y-2 bg-white checked:bg-blue-
600 checked:border-black focus:outline-none transition duration-200 mt-1 align-
top bg-no-repeat bg-center bg-contain  mr-2 cursor-pointer"
                  type="radio"
                  name="flexRadioDefault"
                  value="1"
                  onChange={handlePartyID}
                />
                <label className="form-check-label inline-block text-gray-
800" htmlFor="flexRadioDefault1">
                  BJP ID - 1
                </label>
              </div>
            </div>
            <div>
              <div>
                <img
                  className="w-56 max-h-40 full-auto"
                  src="https://4.bp.blogspot.com/-
usfE8G6o_wY/WsjahdsdZGI/AAAAAAAAWBI/dexdE3O-
Jt0XN0v2GvdWswfDww8HuVbAQCLcBGAs/s1600/trs03%2Bcopy.jpg"
                  alt="TRS"
```

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            />
          </div>
          <div>
            <input
              className="form-check-input appearance-none rounded-
full h-4 w-4 border border-black border-x-2 border-y-2 bg-white checked:bg-blue-
600 checked:border-black focus:outline-none transition duration-200 mt-1 align-
top bg-no-repeat bg-center bg-contain  mr-2 cursor-pointer"
              type="radio"
              name="flexRadioDefault"
              value="2"
              onChange={handlePartyID}
            />

            <label className="form-check-label inline-block text-gray-
800" htmlFor="flexRadioDefault1">
              TRS ID - 2
            </label>
          </div>
        </div>
        <div>
          <div>
            <img
              className="max-w-sm max-h-40 full-auto"
              src="https://encrypted-
tbn0.gstatic.com/images?q=tbn:ANd9GcRTLtqW8T4TEv-Ni-
3NbGT28sFKUQOkoUEnOCryW3ZGuA&s"
              alt="CONGRESS"
            />
          </div>
          <div>
            <input
              className="form-check-input appearance-none rounded-
full h-4 w-4 border border-black border-x-2 border-y-2 bg-white checked:bg-blue-
600 checked:border-black focus:outline-none transition duration-200 mt-1 align-
top bg-no-repeat bg-center bg-contain  mr-2 cursor-pointer"
              type="radio"
              name="flexRadioDefault"
              value="3"
              onChange={handlePartyID}
```

```jsx
                    />
                    <label className="form-check-label inline-block text-gray-800" htmlFor="flexRadioDefault1">
                      CONGRESS ID - 3
                    </label>
                  </div>
                </div>
                <div className="mt-5">
                  <label>
                    VotedID
                    <span className="ml-2 mr-2 ">
                      <input className="rounded-full w-20 text-slate-900" value={VoterVoteID} onChange={handleVoterVoteID} />
                    </span>
                  </label>
                </div>
                <input className="bg-red-500 hover:bg-blue-900 text-white font-bold py-3 px-16 rounded-full mt-4" type="submit" value="Vote" />
              </form>
            </div>
            {/* =>>>>>>>>........................................................... */}
            <div>
              <div className="">
                <p className="text-2xl">Result</p>
                <div className="mt--12"></div>
                <button onClick={handleQuery1} id="1" className="bg-blue-500 hover:bg-blue-900 text-white font-bold py-1 px-2 rounded-full mt-2">
                  Query
                </button>
                <p>{VoteCount1}</p>
              </div>
              <div className="mt-20">
                <div></div>
                <button onClick={handleQuery2} id="2" className="bg-blue-500 hover:bg-blue-900 text-white font-bold py-1 px-2 rounded-full mt-2">
                  Query
                </button>
                <p>{VoteCount2}</p>
              </div>
              <div className="mt-20">
```

```jsx
          <button onClick={handleQuery3} id="3" className="bg-blue-
500 hover:bg-blue-900 text-white font-bold py-1 px-2 rounded-full mt-2">
                Query
          </button>
          <p>{VoteCount3}</p>
        </div>
        <div className="mt-28">
          <button onClick={handleResult} className="bg-red-500 hover:bg-
blue-900 text-white font-bold py-3 px-5 rounded-full ">
                Winner
          </button>
          <p className="text-3xl">{HighestCount}</p>
        </div>
      </div>
      {/* =>>>>>>>>................................................................ */}

    </div>
  </div>
  );
}

export default Voting;
```