Assignment-3 (MERN Stack)

Ques. Write a program in JavaScript to print the area and perimeter of the rectangle using prompt using various types of function declaration. **Sol.**

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A) Named Function
function perimeterNarea(l,b){
  1 = (1 < 0)?0:1;
  b = (b < 0)?0:b;
  console.log("Perimeter of the rectangle: "+2*(l+b));
  console.log("Area of the rectangle: "+(1*b));
length = parseInt(prompt("Enter the length: "));
breadth = parseInt(prompt("Enter the breadth: "));
perimeterNarea(length, breadth);
Output:
Enter the length: 12
Enter the breadth: 10
Perimeter of the rectangle: 44
Area of the rectangle: 120
   B) Arrow Function
const RECT = (1,b)=>{
  console.log("Perimeter of the rectangle: "+2*(1+b));
  console.log("Area of the rectangle: "+(1*b));
}
length = parseInt(prompt("Enter the length: "));
breadth = parseInt(prompt("Enter the breadth: "));
RECT(length, breadth);
Output:
Enter the length: 15
Enter the breadth: 12
Perimeter of the rectangle: 54
```

Area of the rectangle: 180

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C) Function Expression
function Rectangle(){
  var area = function(1,b){
    return 1*b;
  var perimeter = function(1,b){
    return 2*(1+b);
  return {area,perimeter};
length = parseInt(prompt("Enter the length: "));
breadth = parseInt(prompt("Enter the breadth: "));
console.log("Perimeter of the rectangle: "+Rectangle().perimeter(length, breadth));
console.log("Area of the rectangle: "+Rectangle().area(length, breadth));
Output:
Enter the length: 20
Enter the breadth: 12
Perimeter of the rectangle: 64
Area of the rectangle: 240
   D) Named Function Expression
function Rectangle(){
  var area = function area(1,b){
    return 1*b;
  var perimeter = function peri(1,b){
    return 2*(1+b);
  return {area,perimeter};
length = parseInt(prompt("Enter the length: "));
breadth = parseInt(prompt("Enter the breadth: "));
console.log("Perimeter of the rectangle: "+Rectangle().perimeter(length, breadth));
console.log("Area of the rectangle: "+Rectangle().area(length, breadth));
Output:
Enter the length: 25
Enter the breadth: 15
Perimeter of the rectangle: 80
```

Area of the rectangle: 375