1.
```html
<html>
 <head>
  <script> function validate () {
var array = [];
 if (document.myform.Name.value == " "){
   array.push ("Name");
document.myform.Name.focus();
   return false; }
if (document.myform.Email.value == " "){
  array.push ('email');
document.myform.Email.focus ();
 return false; }
if (document.myform.Course.value == ""){

   array.push ('course');

document.myform.Course.focus ();
   return false;
 }

alert (array.pop ());
  return (type);
 }
  </script>
  </head>
   <body>
```

```html
<div class = "mail">
<form name = "myform" action = "#" onsubmit = "validate 0;"
    <ul>
<li> Name <input type = "text" name = "Name" /> </li>
<li> Email <input type = "text" name = "Email"> </li>
<li> Course <input type = "text" name = "Course > </li>
<li> <input type="submit" name = "submit" value = "Submit">
                                                    </li>
</ul>
    </form>
    </div>
    </body>
    </html>
```

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2.
```html
<html>
  <head>
    <title> Student Registration </title>
  </head>
  <body>
    <form action="q1.php" method="post">
      <label for="name">Name :</label>
      <input type="text" id="name" name="uname"><br>
      <label for="email">Email:</label>
      <input type="text" id="email" name="mail"><br>
      <label for="city">City:</label>
      <input type="text" id="city" name="city"><br>
      <label for="course">Course :</label>
      <input type="text" id:="course" name="course"><br>
      <label for="dob">Date of Birth:</label>
      <input type="date" id="dob" name="dob"><br>
```

```html
<label for = "Pno"> Phone Number: </label>
<input type = "number" id = "Pno" name = "Pno"> <br>
    <input type = "submit">
  </form>
  </body>
    </html>
```

php code
```php
<?php
$name = $_POST['uname'];
$email = $_POST['mail'];
$city = $_POST['city'];
$course = $_POST['city'];
$dob = $_POST['dob'];
$pno = $_POST['Pno'];

echo "Name : ".$name;
echo "Email :".$email;
echo "City :".$city;
echo "Course:".$course;
echo "Date of Birth:".$dob;
echo "Phone Number :".$pno;
?>
```

3. setwd ("C:/Users/ashwi/Downloads")

ashwi<-read.csv (" valorant -stats . csv")

install. packages (" ggplot 2")

library (ggplot 2)

ggplot (ashwi, aes (x= Name, y= Price)) + geom_bar (stat= "identity")

ggplot (ashwi, aes(x= Name, y= Price)) + geom_bar (stat = "identity")

ggplot (ashwi, aes (y=" ", fill = Name)) + geom_bar (width = 1, stat = "identity") + coord_polar ("x", stat = 0)

ggplot (ashwi, aes (x= Name, y= Magazine, Capacity)) + geom_boxplot (size = 2)

ggplot (ashwi, aes (y = Name, x = Price, group = Weapon Type, colour = Weapon. Type)) + geom_line () + geom_point ()

max (ashwi $ price)

min (ashwi $price)

mean (ashwi $ HDMG_0)

median (ashwi $ BDMG_0)

quantile (ashwi $ price 0.25)

quantile (ashwi $ Price 0.75)

sd (ashwi $ fire. Rate)

var (ashwi $ fire. Rate)

summary (ashwi)

4. Descriptive Statistics

$$\text{Mean (Price)} \Rightarrow \frac{0+200+400+500+800+1000+16\ldots}{17}$$
$$+2100+2500+2900+2900+1100+4500+900+$$
$$1500+1600+3200$$

$$\Rightarrow 1629.41$$

Mode (Price)

$$\Rightarrow 2900$$

Median (Price)

$$\Rightarrow 1500$$

Inferential Statistics

$$Z\text{-score} \Rightarrow -1.30796$$