

CODE:

```
\documentclass{article}

\usepackage{graphicx} % Required for inserting images

\usepackage{multirow}

\usepackage{adjustbox}

\usepackage{xunicode}

\title{\huge\textbf{Different Forms of Tables
(Part-3)}}

\author{\huge{Hindol Banerjee}}

\date{\today}


\begin{document}

\maketitle

\listoftables
```

```
\section{List of Tables}
```

To create a list of tables use the `\backslash$listoftables\{\}` command. The caption of each

table will be used to generate this list.

```
\begin{table}[h!]

\begin{center}

\begin{tabular}{| | c c c c | |}

\hline

Col1 & Col2 & Col2 & Col3 & \\

\hline

\hline
```

```

1 & 6 & 87837 & 787 \\
2 & 7 & 78 & 5415 \\
3 & 545 & 778 & 7507 \\
4 & 545 & 18744 & 7560 \\
5 & 88 & 788 & 6344 \\
\hline
\end{tabular}

\caption{This is the caption for the first table}

\label{table:1}

\end{center}

\end{table}


\begin{table}[h!]
\begin{center}
\begin{tabular}{| | c c c c | |}
\hline
Col1 & Col2 & Col2 & Col3 \\
\hline
\hline
4 & 545 & 18744 & 7560 \\
5 & 88 & 788 & 6344 \\
\hline
\end{tabular}
\caption{This is the caption for the second table}
\label{table:2}
\end{center}
\end{table}

```

```

\newpage

\begin{table}[h!]

\begin{center}

\begin{tabular}{| c c c c c c c c c c |}

\hline

\multicolumn{10}{| c |}{Demo of a Complex Form of Table} \\

\hline

Weights &  $\tau$  &  $E^{(C)}$  &  $T^{(D)}$  &  $\beta^{(Avg)}$  &  $F^{(50+100)}$  &
Ct &  $W^{(C)}$  &  $Bo^{(\alpha)}$  &  $Bo^{(\gamma)}$  \\

( $\alpha$ ) & ( $\omega_2^{(nl)}$ ) & ( $\omega_4^{(nl)}$ ) &
( $\omega_6^{(nl)}$ ) & ( $\omega_8^{(nl)}$ ) & ( $\omega_{10}^{(nl)}$ ) &
( $\omega_{12}^{(nl)}$ ) & ( $\omega_{14}^{(nl)}$ ) & ( $\omega_{16}^{(nl)}$ ) &
( $\omega_{18}^{(nl)}$ ) \\

\hline

\hline

+0.01 & 0.081 & 0.131 & 0.013 & 0.132 & 0.150 & 0.122 & -0.074 & 0.014 &
0.002 \\

-0.01 & 0.082 & 0.138 & 0.007 & 0.139 & 0.159 & 0.128 & -0.091 & 0.007 & -
0.005 \\

+0.03 & 0.080 & 0.126 & 0.019 & 0.126 & 0.142 & 0.117 & -0.060 & 0.019 &
0.009 \\

\hline

\end{tabular}

\caption{Creating complex tables 1}

\label{table:3}

\end{center}

\end{table}

\section{Creating Complex Tables}

```

Here we will see how to create complex forms of tables by incorporating various mathematical symbolic representations like τ , β , etc. Furthermore, we will see

how to use both subscripts and superscripts involving exponents, indexes, and some special operators in the same mathematical expressions, such as $(\omega_8^{(n)})$, $(\omega_{16}^{(n)})$. Table 3 displays all of the types.

`\section{Assignment to be done}`

The following Table 4 is to be executed as an assignment.

```
\begin{table}[h]
\centering\scalebox{0.8}{
\begin{tabular}{|*{18}{c|}} % repeats {c|} 18 times
\hline
\multicolumn{9}{|c|}{k-means clustering} & \multicolumn{9}{|c|}{Fuzzy c-means
clustering} \\ \hline
\multicolumn{3}{|c|}{50 clusters} & \multicolumn{3}{|c|}{60 clusters} &
\multicolumn{3}{|c|}{70 clusters} &
\multicolumn{3}{|c|}{50 clusters} & \multicolumn{3}{|c|}{60 clusters} &
\multicolumn{3}{|c|}{70 clusters} \\ \hline
CJ & HT & SVD & CJ & HT & SVD & CJ & HT & SVD & CJ & HT & SVD & CJ & HT & SVD
& CJ & HT & SVD \\ \hline
& & & & & & & & & & & & & & & & & \\
\end{tabular}}
\caption{Creating Complex Tables-2.}
\label{table:4}
\end{table}
\end{document}
```