Portable Document Format

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HEADER

`%PDF-1.1`   SIGNATURE & VERSION INFORMATION

BODY

DICTIONARY
<< [ID VALUE]* >>

```
1 0 obj
<<
   /Pages 2 0 R
>>
endobj
```

OBJECT REFERENCE:
<OBJECT NUMBER> <REVISION NUMBER> R

IDENTIFIER (WITH /)

```
2 0 obj
<<
   /Type /Pages
   /Count 1
   /Kids [3 0 R]
>>
endobj
```

ARRAY

```
3 0 obj
<<
   /Type /Page
   /Contents 4 0 R
   /Parent 2 0 R
   /Resources <<
     /Font <<
       /F1 <<
         /Type /Font
         /Subtype /Type1
         /BaseFont /Arial
       >>
     >>
   >>
>>
endobj
```

```
4 0 obj
<< /Length 50 >>
stream
BT
   /F1 110 Tf
10 400 Td
   (Hello World!)Tj
ET
endstream
endobj
```

STREAM PARAMETERS:
LENGTH, COMPRESSION.....

STRING

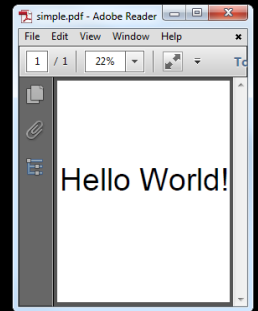BEGIN TEXT
   FONT F1 (ARIAL) SET TO SIZE 110
   MOVE TO COORDINATE 10, 400
   OUTPUT TEXT "HELLO WORLD!"
END TEXT

PARSING

`%PDF-1.?` IS CHECKED
`startxref` POINTS TO XREF
`xref` POINTS TO EACH OBJECT
`trailer` IS PARSED
REFERENCES ARE FOLLOWED
DOCUMENT IS RENDERED

XREF TABLE

CROSS REFERENCE

```
xref
0 5
0000000000 65535 f
0000000010 00000 n
0000000047 00000 n
0000000111 00000 n
0000000313 00000 n
```

CROSS REFERENCES
5 OBJECTS, STARTING AT INDEX 0
(STANDARD FIRST EMPTY OBJECT 0
OFFSET TO OBJECT 1, REV 0
TO OBJECT 2...
3...
4

TRAILER

```
trailer
<<
   /Root 1 0 R
>>

startxref
413
%%EOF
```

TRAILER → ROOT → 1 → PAGES → 2 → KIDS → 3 → CONTENTS → 4
2 ← PARENT