Centum Preparation 100 Days plan class 12 Maths

Q.No.	DAY - 70
437	**Example 10.23** Solve $\left[y\left(1-x\tan x\right)+x^2\cos x \right]dx-xdy=0$.
438	**Example 10.24** Solve : $\frac{dy}{dx}+2y\cot x=3x^2\operatorname{cosec}^2 x$.
439	**Example 10.26** Solve $ye^y dx=\left(y^3+2xe^y\right)dy$.
440	**EXERCISE 10.7** Solve the following Linear differential equations: 4. $\left(x^2+1\right)\frac{dy}{dx}+2xy=\sqrt{x^2+4}$
441	Solve the following Linear differential equations: 6. $x\sin x\frac{dy}{dx}+\left(x\cos x+\sin x\right)y=\sin x$
442	Solve the following Linear differential equations: 9. $\left(1+x+xy^2\right)\frac{dy}{dx}+\left(y+y^3\right)=0$
443	Solve the following Linear differential equations: 10. $\frac{dy}{dx}+\frac{y}{x\log x}=\frac{\sin 2x}{\log x}$